

LOWE'S EDI

850 Purchase Order for STOCK Orders

Version: 004010

Publication:	09/16/1998
Modified:	01/19/2005

850**Purchase Order****Functional Group=PO**

This document 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.

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

Basic Purchase Order Information

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. These specifications outline the EDI requirements for STOCK purchase orders only.

We have three phases at Lowe's for implementing the 850 for Stock Purchase Orders.

TEST - Our initial test purchase order will be an order that is created by Lowe's EDI Coordinator and transmitted to you to verify you can translate all of the segments and elements in the 850. We ask for two items in return. The first is a functional acknowledgment (997). The other is a fax of how you translated the test order - not a copy of the raw data. If you cannot translate all of the data, an explanation should be included with the fax of the test order.

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!

LOWE'S COMMUNICATION ID FOR STOCK PURCHASE ORDERS - Please note the Lowe's sender id for testing and production is 006097142 with a 01 qualifier.

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
050	REF	Reference Identification	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			Optional
150	DTM	Date/Time Reference	O	10			Mandatory
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Optional
280	CTB	Restrictions/Conditions	O	5			Optional
LOOP ID - N1					200		
310	N1	Name	O	1			Mandatory
330	N3	Address Information	O	2			Mandatory

340	N4	Geographic Location	M	>1	Mandatory
-----	----	---------------------	---	----	-----------

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					100000	N2/010L	
010	PO1	Baseline Item Data	M	1		N2/010	Mandatory
LOOP ID - PID					1000		
050	PID	Product/Item Description	O	1			Optional
100	REF	Reference Identification	O	1			Optional

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					1	N3/010L	
010	CTT	Transaction Totals	O	1		N3/010	Mandatory
030	SE	Transaction Set Trailer	M	1			Mandatory

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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

User Option (Usage): Mandatory

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		00 No Authorization Information Present (No Meaningful Information in I02)					
ISA02	I02	Authorization Information	M	AN	10/10	Mandatory	1
ISA03	I03	Security Information Qualifier	M	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		00 No Security Information Present (No Meaningful Information in I04)					
ISA04	I04	Security Information	M	AN	10/10	Mandatory	1
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		01 Duns (Dun & Bradstreet)					
ISA06	I06	Interchange Sender ID	M	AN	15/15	Mandatory	1
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Mandatory	1
		All valid X12 codes are used.					
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Mandatory	1
ISA09	I08	Interchange Date	M	DT	6/6	Mandatory	1
ISA10	I09	Interchange Time	M	TM	4/4	Mandatory	1
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Mandatory	1
		All valid X12 codes are used.					
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Mandatory	1
		<u>Code</u> <u>Name</u>					
		00400 Standard Issued as ANSI X12.5-1997					
ISA13	I12	Interchange Control Number	M	N0	9/9	Mandatory	1
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Mandatory	1
		<u>Code</u> <u>Name</u>					
		0 No Acknowledgment Requested					
ISA15	I14	Usage Indicator	M	ID	1/1	Mandatory	1
		<u>Code</u> <u>Name</u>					
		P Production Data					
		T Test Data					
ISA16	I15	Component Element Separator	M		1/1	Mandatory	1

User:

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

GS**Functional Group Header**

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

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		PO Purchase Order (850)					
GS02	142	Application Sender's Code	M	AN	2/15	Mandatory	1
GS03	124	Application Receiver's Code	M	AN	2/15	Mandatory	1
GS04	373	Date	M	DT	8/8	Mandatory	1
GS05	337	Time	M	TM	4/8	Mandatory	1
GS06	28	Group Control Number	M	N0	1/9	Mandatory	1
GS07	455	Responsible Agency Code	M	ID	1/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		X Accredited Standards Committee X12					
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Mandatory	1
		<u>Code</u> <u>Name</u>					
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997					

User:

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

ST

Transaction Set Header

Pos: 010

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 2

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Mandatory	1
		<u>Code</u> <u>Name</u>					
		850Purchase Order					
ST02	329	Transaction Set Control Number	M	AN	4/9	Mandatory	1

User:
ST*850*000000001\

BEG**Beginning Segment for Purchase Order**

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

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Mandatory	1
		Code Name					
		00 Original					
BEG02	92	Purchase Order Type Code	M	ID	2/2	Mandatory	1
		Code Name					
		NS New Store Opening					
		SA Stand-alone Order					
		SP Display Order					
BEG03	324	Purchase Order Number	M	AN	1/22	Mandatory	1
		User: In the BEG03, a maximum field length of nine-digits will be used for purchase order numbers. If the purchase order number is less than nine-digits, it will be zero-suppressed.					
BEG04	328	Release Number	O	AN	1/30	Not Used by Lowe's	1
BEG05	373	Date	M	DT	8/8	Mandatory	1

User:

For New Store orders:

We will send an SP in the BEG-02 if all the items are display items.

We will send an NS in the BEG-02 if all of the items are stock or if part of the items are display items and part of the items are stock items.

BEG*00*SA*123456789**20041101 Example of Stand-alone Order

BEG*00*NS*987654321**20041101 Example of a New Store Opening Order

BEG*00*SP*123456789**20041101 Example of a Display Order

REF Reference Identification

Pos: 050	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Mandatory

To specify identifying information at the header level.

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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/2	Mandatory	1
		Code		Name			
		AN		VPXD Truck Load Number			
		DP		Department Number			
		IA		Internal Vendor Number			
		WO		Replenishment Program (RP) Reference Number			
REF02	127	Reference Identification	M	AN	1/9	Mandatory	1
REF03	352	Description	C	AN	1/5	Conditional	1
		User: If the REF-01=DP, the REF-03 will include the department name abbreviation.					

User:

VENDOR NUMBER AND REPLENISHMENT PROGRAM REFERENCE NUMBER

Stock orders will always include a Lowe's assigned vendor number in an REF segment. The replenishment program reference number is also assigned by Lowe's and is optional for the 850. If it is included in the 850, it will be communicated in an additional REF segment. For the vendor number, the REF01 field will be used with 'IA' as the qualifier and REF02 will contain the vendor number. If the replenishment program (RP) reference number is included in the 850, the REF01 field will be used with 'WO' as the qualifier and REF02 will contain the RP reference number. The RP reference number is used by vendors who communicate PO changes to Lowe's using the 855 document. If you are not exchanging the 855 PO Change document with Lowe's, it is not necessary for you to inquire about the 855. Listed below is an example of the data.

REF*IA*23456 - Vendor Number (Assigned by Lowe's)

REF*WO*22222 - Replenishment Program Reference Number (Assigned by the Lowe's Inventory Specialist)

VENDOR PREPARED CROSS-DOCK (VPXD) TRUCK LOAD NUMBER

If you are shipping cross-dock (VPXD) orders to Lowe's, all VPXD orders that are to be shipped together on the same truck will be identified by the Truck Load Number field. The Truck Load Number assigned to VPXD orders will be the purchase order number from any VPXD order on the truck. The new VPXD Truck Load Number will be up to nine digits in length, with leading zeros suppressed. The Truck Load Number will be sent in the REF segment where the REF01 field will include 'AN' as the qualifier and the REF02 will contain the VPXD Truck Load Number. See the N1 segment for additional information on VPXD orders.

This is an example of VPXD orders to be shipped on the same truck.

PO Number 123456789 VPXD Truck Load Number REF*AN*123456789

PO Number 123456790 VPXD Truck Load Number REF*AN*123456789

PO Number 123456791 VPXD Truck Load Number REF*AN*123456789

DEPARTMENT NUMBER AND NAME ABBREVIATION

Most purchase orders will include a new REF segment in the 850 at the header and item levels. It will include a qualifier of 'DP' in the REF-01, and REF02 will include the Department Number, and REF03 will include the Department Name Abbreviation. The REF02, department number, will be zero suppressed. When all items on the purchase order are associated to the same retail department, the department number and name abbreviation will be populated in the header level and the item detail level.

If there are items on the purchase order associated to multiple departments, the department number and name abbreviation will be populated with the department number of 99 and the name abbreviation of MIXED at the header level. For the individual items on the purchase order with items from different retail departments, the individual items will be populated with their associated retail department.

If an item is NOT assigned to a retail department at Lowe's, then the department number of 97 and the name abbreviation of NODPT will be sent at the item level. If none of the items on the PO have a department number assigned, then the department number of 97 and the name abbreviation of NODPT will also appear at the header level. If at least one of the items on the order has a department number assigned along with an item that is not assigned to a retail department, the item not assigned to a retail department will be ignored when deriving the department number and name abbreviation at the header level.

The following are examples of this new segment. This segment is optional and may not appear on all orders.

Example – If all items on the purchase order are stocked in the Lumber Department, REF*DP*1*LUMB will be sent at the header and item levels.

Example – If some of the Items on the purchase order are stocked in the Building Materials while others are stocked in the Millwork Department, the REF segment at header level will include REF*DP*99*MIXED. For the items on the purchase order that are stocked in the Building Materials Department, the REF segment at the line item level would include REF*DP*2*BLDM. For the items which are stocked in the Millwork Department, the REF segment at the line item level would include REF*DP*3*MILL.

Example – If an item on the purchase order is not assigned to a retail department, but another item is assigned to the Millwork Department, the REF segment at the header level will include REF*DP*3*MILL. The REF segment at the line item level for the item not assigned to a retail department would include REF*DP*97*NODPT, while the item assigned to the Millwork Department would include REF*DP*3*MILL.

Example – If all items on the purchase order are not assigned to a retail department, then the REF segment at the header level will include REF*DP*97*NODPT and the REF segment at the item levels would include REF*DP*97*NODPT.

Lowe's Logistics can provide documentation for placards and labels to use the department number and name abbreviation. By using the 850 document to pull the information, it will provide a method to pull the information systematically rather than refer to the matrix provided by Logistics.

PER

Administrative Communications Contact

Pos: 060

Max: 3

Heading - Optional

Loop: N/A

Elements: 4

User Option (Usage): Mandatory

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
PER01	366	Contact Function Code	M	ID	2/2	Mandatory	1
		<div>CodeName</div>					
		BDBuyer Name or Department					
		DCDelivery Contact					
PER02	93	Name	O	AN	1/60	Optional	1
PER03	365	Communication Number Qualifier	C	ID	2/2	Optional	1
		<div>CodeName</div>					
		TETelephone					
PER04	364	Communication Number	C	AN	1/80	Optional	1

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

FOB**F.O.B. Related Instructions**

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

User Option (Usage): Mandatory

To specify transportation instructions relating to shipment

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>	<u>Rep</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		CC Collect					
		CF Collect,Freight Credited Back to Customer					
		DF Defined by Buyer and Seller					
		PC Prepaid but Charged to Customer					
		PP Prepaid (by Seller)					
FOB02	309	Location Qualifier	C	ID	1/2	Optional	1
		<u>Code</u> <u>Name</u>					
		CA Country of Origin					
FOB03	352	Description	O	AN	1/80	Optional	1

User:
 FOB*PP\
 FOB*CC*CA*BR\

SAC

Service, Promotion, Allowance, or Charge Information

Pos: 120

Max: 1

Heading - Optional

Loop: SAC

Elements: 2

User Option (Usage): Optional

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Mandatory	1
		<div>CodeName</div>					
		RAllowance Request					
SAC02	1300	Service, Promotion, Allowance, or Charge	C	ID	4/4	Mandatory	1
		<div>CodeName</div>					
		E740New Store Allowance					

User:

The SAC segment will only transmit when the BEG-02 is equal to NS.

SAC*R*E740\

DTM Date/Time Reference

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

User Option (Usage): Mandatory

To specify pertinent dates and times

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>	<u>Rep</u>
DTM01	374	Date/Time Qualifier		M	ID	3/3	Mandatory	1
		<u>Code</u>	<u>Name</u>					
		002	Delivery Requested					
		010	Requested Ship					
DTM02	373	Date		C	DT	8/8	Mandatory	1

User:

Most stock 850's will have a Requested Ship Date included in addition to the Requested Delivery Date. This applies to most stock purchase orders that we transmit to our vendors whether they are Collect or Prepaid orders. These two dates will be communicated in two separate DTM segments of the 850 purchase order. Please make certain that your systems recognize the Requested Delivery Date that is transmitted on all EDI stock purchase orders in the DTM segment with a 002 code sent in the DTM-01, and recognize the Requested Ship Date that is transmitted on most EDI stock purchase orders in the DTM segment with a 010 code sent in the DTM-01. Listed below is an example of the data.

DTM*002*20040607 - Delivery date

DTM*010*20040603 - Ship date

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Optional

To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
TD501	133	Routing Sequence Code	O	ID	1/2	Mandatory	1
		Code Name					
		O Origin Carrier (Air, or Ocean)					
TD502	66	Identification Code Qualifier	C	ID	1/2	Mandatory	1
		User: See the User Notes for an example of when the qualifiers will be included in the TD5-02.					
		Code Name					
		2 Standard Carrier Alpha Code (SCAC)					
TD503	67	Identification Code	C	AN	2/4	Mandatory	1
		User: See the User Notes for the values to be included in the TD5-03.					
TD504	91	Transportation Method/Type Code	C	ID	1/2	Mandatory	1
		Code Name					
		M Motor (Common Carrier)					
		U Private Parcel Service					
		LT Less Than Trailer Load (LTL)					
TD505	387	Routing	C	AN	1/30	Mandatory	1
		User: This element will include the name of the carrier.					

User:

The TD5 segment is a new optional segment that has been added to the 850 for stock purchase orders. The TD5 segment will only be sent for domestic Less Than Truckload (LTL) orders, Small Package Shipments, or when the carrier is unknown. All Collect truckloads will be managed by Lowe's Transportation. All Prepaid truckloads should be routed on a core carrier. This information will not be included on SOS Purchase Orders, Import Purchase Orders, or Reverse Purchase Orders. The following provides the routing information to be included in the TD5 segment.

- For Collect Less Than Truckload (LTL) Shipments, Lowe's will provide the vendor the carrier to use in shipping the purchase order. The TD5 will include TD5*O*2*SCAC*LT*CARRIER NAME
- For Prepaid Less Than Truckload (LTL) Shipments, the routing guide SCAC will be provided as a guide for selection of Lowe's Preferred LTL Carrier on the lane. The carrier comments/name will be "USE LOWE'S PREFERRED CARRIER." The vendors still have the option of using any of Lowe's Preferred Carriers with direct service. The TD5 will include TD5*O*2*SCAC*LT*USE LOWE'S PREFERRED CARRIER
- For Lowe's Paid, Small Package Shipments, Lowe's will provide the vendor the carrier to use in shipping the purchase order. The TD5 will include TD5*O*2*SCAC*U*CARRIER NAME
- For Vendor Paid Small Package Shipments, the routing guide SCAC will be provided as a guide for selection of Lowe's Preferred Small Package Carrier on the lane. The carrier comments/name will be "USE LOWE'S PREFERRED CARRIER." The vendors still have the option of using any of Lowe's Preferred Carriers with direct service. The TD5 will include TD5*O*2*SCAC*U*USE LOWE'S PREFERRED CARRIER
- If the carrier details are unknown at the time the purchase order is released, the TD5 will include TD5*O*2*LOWS*M*LOWES CONTROLLED TRANSPORTATIO (please note, the final N will not transmit!)

New Store orders require special routing considerations. New Store orders are defined as orders that are scheduled to arrive into the New Store prior to the Soft Opening Date. New Store orders will not contain a TD5 segment. Your company must follow Lowe's New Store Routing Matrix for Prepaid or Collect orders. The New Store Routing Matrix can be found in Lowe's Routing Requirements Manual.

There will be instances where opportunities for consolidating shipments may occur. In those instances, it is possible that Lowe's will substitute normal routing to take advantage of a beneficial service option. Lowe's will do its best to provide ample notice prior to the scheduled ship date of the order.

For more details on transportation and shipment routing, please review Lowe's Transportation Routing Requirements Manual on www.LowesLink.com. All questions relating to the carrier data values included in the 850 should be directed to Lowe's Transportation Hotline by phone 336.658.7300 or email transportation@lowes.com.

CTB

Restrictions/Conditions

Pos: 280

Max: 5

Heading - Optional

Loop: N/A

Elements: 2

User Option (Usage): Optional

To specify restrictions/conditions (such as shipping, ordering)

Element Summary:

Ref	Id	Element Name		Req	Type	Min/Max	Usage	Rep
CTB01	688	Restrictions/Conditions	Qualifier	M	ID	2/2	Mandatory	1
		<u>Code</u>	<u>Name</u>					
		OR	Ordering					
CTB02	352	Description		C	AN	1/80	Conditional	1

N1**Name**

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

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Mandatory	1
		Code Name					
		MA Party for whom Item is Ultimately Intended					
		ST Ship To					
N102	93	Name	C	AN	1/60	Conditional	1
N103	66	Identification Code Qualifier	C	ID	1/2	Mandatory	1
		Code Name					
		93 Code assigned by the organization originating the transaction set					
N104	67	Identification Code	C	AN	2/80	Mandatory	1

User:

Example of multi-digit ship to location: N1*ST*location name*93*1652

Example of single-digit ship to location: N1*ST*location name*93*02

Example of cross-dock locations are shown below.

The location number is currently a minimum of two-digits and a maximum of five-digits. It is also zero-suppressed except for single-digit location numbers, where a zero will precede the single-digit location number.

The following information describes how to identify cross-dock purchase orders. If you have questions regarding the cross-dock program, please contact your Lowe's Logistics Specialist. They can also confirm whether or not your company is currently participating in the cross-dock program.

Cross-docking at Lowe's refers to consolidating multiple store orders into a single shipment destined for one of Lowe's distribution centers (intermediate consignee). Rather than receiving the purchase orders into its inventory, the distribution center cross-docks the orders directly onto a truck bound for the ultimate store destination. This requires our vendors to track the final ship-to location (our store) and the intermediate consignee (our distribution center). The utilization of a cross-dock system with Lowe's will change the appearance of the EDI data received from Lowe's as follows for version 4010 EDI purchase orders:

1. The N1 segment with an ST qualifier in N1-01 will be transmitted as usual. This segment includes the delivery location (Lowe's distribution center) for the vendor. The shipping address for the distribution center is transmitted in the N3 and N4 segments which immediately follow the N1 ST segment.

2. An additional N1 segment will appear on cross-dock purchase orders only. This N1 segment will have an MA qualifier in the N1-01. The store number transmitted in the N1-04 of this segment is the final ship-to location. This additional segment will appear immediately following the N4 segment in the first N1 loop with the ST qualifier. The shipping address for the final ship-to location is not transmitted. This final destination store number must be noted on the paperwork accompanying the shipment to Lowe's distribution centers. Please contact the Lowe's Vendor Logistics Specialist regarding labeling requirements on cross-dock purchase orders if you have not received this information. Here's an example of the data that will be sent on cross-dock purchase orders.

N1*ST*LOWE'S TEXAS RDC*93*955 (vendor's delivery location)

N3*955 LOWE'S LANE (address for delivery location)

N4*MT VERNON*TX*754570000 (address for delivery location)

N1*MA**93*05 (final ship-to-location)

See the REF segment on Truck Load Number to identify cross-dock orders to be shipped on the same truck. And, it is important to point out, the arrival (delivery) date that is transmitted is the date the product should arrive at the final ship-to store location. The ship date indicates when the shipment should leave the vendor's facility.

Note: It is absolutely essential that one invoice be created for each ultimate store destination purchase order (the Lowe's store, not the distribution center). Do not invoice based on the intermediate consignee location number! Refer to Lowe's 810 Vendor Implementation Technical Information Package for invoicing requirements.

N3

Address Information

Pos: 330

Max: 2

Heading - Optional

Loop: N1

Elements: 2

User Option (Usage): Mandatory

To specify the location of the named party

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>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	Mandatory	1
N302	166	Address Information	O	AN	1/55	Optional	1

User:
N3*street address\

N4

Geographic Location

Pos: 340

Max: >1

Heading - Mandatory

Loop: N1

Elements: 3

User Option (Usage): Mandatory

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
N401	19	City Name	O	AN	2/30	Mandatory	1
N402	156	State or Province Code	O	ID	2/2	Mandatory	1
N403	116	Postal Code	O	ID	3/15	Mandatory	1

User:
N4*city*state*zip\

PO1 Baseline Item Data

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

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
PO101	350	Assigned Identification	O	AN	1/20	Mandatory	1
PO102	330	Quantity Ordered	C	R	1/15	Mandatory	1
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		BD Bundle					
		BF Board Feet					
		BG Bag					
		BX Box					
		CA Case					
		DS Display					
		EA Each					
		FT Foot					
		KT Kit					
		LF Linear Foot					
		OZ Ounce - Av					
		PC Piece					
		PK Package					
		PN Pounds Net					
		PR Pair					
		RL Roll					
		ST Set					
		UN Unit					
PO104	212	Unit Price	C	R	1/17	Mandatory	1
PO105	639	Basis of Unit Price Code	O	ID	2/2	Optional	1
		<u>Code</u> <u>Name</u>					
		NC No Charge					
		QT Quoted					
PO106	235	Product/Service ID Qualifier	C	ID	2/2	Mandatory	1
		<u>Code</u> <u>Name</u>					
		CB Buyer's Catalog Number					
		IN Buyer's Item Number					
PO107	234	Product/Service ID	C	AN	1/48	Mandatory	1
PO108	235	Product/Service ID Qualifier	C	ID	2/2	Optional	1
		<u>Code</u> <u>Name</u>					
		VC Vendor's (Seller's) Catalog Number					
PO109	234	Product/Service ID	C	AN	1/48	Optional	1

User:

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

PID

Product/Item Description

Pos: 050

Max: 1

Detail - Optional

Loop: PID

Elements: 5

User Option (Usage): Optional

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

Element Summary:

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

User:
PID*F****1 QT PERENNIALS\

REF Reference Identification

Pos: 100	Max: 1
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Optional

To specify identifying information at the line item detail level.

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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/2	Mandatory	1
		Code Name					
		DP Department Number					
REF02	127	Reference Identification	C	AN	1/2	Mandatory	1
REF03	352	Description	C	AN	1/5	Mandatory	1

User:

DEPARTMENT NUMBER AND NAME ABBREVIATION

Most purchase orders will include a new REF segment in the 850 at the header and item levels. It will include a qualifier of 'DP' in the REF-01, and REF02 will include the Department Number, and REF03 will include the Department Name Abbreviation. The REF02, department number, will be zero suppressed. When all items on the purchase order are associated to the same retail department, the department number and name abbreviation will be populated in the header level and the item detail level.

If there are items on the purchase order associated to multiple departments, the department number and name abbreviation will be populated with the department number of 99 and the name abbreviation of MIXED at the header level. For the individual items on the purchase order with items from different retail departments, the individual items will be populated with their associated retail department.

If an item is NOT assigned to a retail department at Lowe's, then the department number of 97 and the name abbreviation of NODPT will be sent at the item level. If none of the items on the PO have a department number assigned, then the department number of 97 and the name abbreviation of NODPT will also appear at the header level. If at least one of the items on the order has a department number assigned along with an item that is not assigned to a retail department, the item not assigned to a retail department will be ignored when deriving the department number and name abbreviation at the header level.

The following are examples of this new segment. This segment is optional and may not appear on all orders.

Example – If all items on the purchase order are stocked in the Lumber Department, REF*DP*1*LUMB will be sent at the header and item levels.

Example – If some of the Items on the purchase order are stocked in the Building Materials while others are stocked in the Millwork Department, the REF segment at header level will include REF*DP*99*MIXED. For the items on the purchase order that are stocked in the Building Materials Department, the REF segment at the line item level would include REF*DP*2*BLDM. For the items which are stocked in the Millwork Department, the REF segment at the line item level would include REF*DP*3*MILL.

Example – If an item on the purchase order is not assigned to a retail department, but another item is assigned to the Millwork Department, the REF segment at the header level will include REF*DP*97*NODPT. The REF segment at the line item level for the item not assigned to a retail department would include REF*DP*97*NODPT, while the item assigned to the Millwork Department would include REF*DP*3*MILL.

Example – If all items on the purchase order are not assigned to a retail department, then the REF segment at the header level will include REF*DP*97*NODPT and the REF segment at the item levels would include REF*DP*97*NODPT.

Lowe's Logistics can provide documentation for placards and labels to use the department number and name abbreviation. By using the 850 document to pull the information, it will provide a method to pull the information systematically rather than refer to the matrix provided by Logistics.

CTT

Transaction Totals

Pos: 010

Max: 1

Summary - Optional

Loop: CTT

Elements: 1

User Option (Usage): Mandatory

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>	<u>Usage</u>	<u>Rep</u>
CTT01	354	Number of Line Items	M	N0	1/6	Mandatory	1

User:
CTT*1\

SE

Transaction Set Trailer

Pos: 030

Max: 1

Summary - Mandatory

Loop: N/A

Elements: 2

User Option (Usage): Mandatory

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:

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

User:
SE*15*000000001\

GE

Functional Group Trailer

Pos: 031

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 2

User Option (Usage): Mandatory

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

Element Summary:

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

User:
GE*1*000000001\

IEA

Interchange Control Trailer

Pos: 032

Max: 1

Heading - Mandatory

Loop: N/A

Elements: 2

User Option (Usage): Mandatory

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

Element Summary:

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

User:
IEA*1*000000001\