

# **LOWE'S EDI**

## **850 Purchase Order for PROCUREMENT**

**Version: 5040**

**Modified: 7/22/2010**

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# 850

# Purchase Order

## Functional Group=PO

**Purpose:** This X12 Transaction Set 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>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Mandatory
	GS	Functional Group Header	M	1			Mandatory
0100	ST	Transaction Set Header	M	1			Mandatory
0200	BEG	Beginning Segment for Purchase Order	M	1			Mandatory
0400	CUR	Currency	O	1			Mandatory
0500	REF	Reference Information	M	3			Mandatory
0600	PER	Administrative Communications Contact	O	1			Optional
0700	TAX	Tax Reference	O	1			Optional
0900	CTP	Pricing Information	O	1			Mandatory
2800	CTB	Restrictions/Conditions	O	5			Optional
<b>LOOP ID - N9</b>					<b>1</b>		
2950	N9	Extended Reference Information	O	1			Mandatory
3000	MTX	Text	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>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/0100L</b>	
0100	PO1	Baseline Item Data	M	1		N2/0100	Mandatory
<b>LOOP ID - PID</b>					<b>1</b>		
0500	PID	Product/Item Description	O	1			Mandatory
1000	REF	Reference Information	O	2			Optional
1800	FOB	F.O.B. Related Instructions	O	1			Optional
2920	CTB	Restrictions/Conditions	O	5			Optional
<b>LOOP ID - SCH</b>					<b>1</b>	<b>N2/2950L</b>	
2950	SCH	Line Item Schedule	O	1		N2/2950	Mandatory
<b>LOOP ID - N1</b>					<b>1</b>		
3500	N1	Party Identification	O	1			Mandatory
3700	N3	Party Location	O	2			Optional
3800	N4	Geographic Location	O	1			Mandatory

**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>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/0100L</b>	
0100	CTT	Transaction Totals	O	1		N3/0100	Mandatory
0300	SE	Transaction Set Trailer	M	1			Mandatory

**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>
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GE	Functional Group Trailer	M	1	Mandatory
IEA	Interchange Control Trailer	M	1	Mandatory

**Transaction User Note:**

*This transaction is used by Lowe's to transmit purchase orders to our Procurement Suppliers for the procurement of operational materials and supplies. Please review the business rules pertaining to Procurement transactions on [www.loweslink.com](http://www.loweslink.com).*

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

# ISA Interchange Control Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 16</b>

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code identifying the type of information in the Authorization Information						
<b>CodeList Summary</b> (Total Codes: 9, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		No Authorization Information Present (No Meaningful Information in I02)		
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Mandatory
<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)						
<b>Element User Note:</b> <i>This element will be filled with spaces.</i>						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code identifying the type of information in the Security Information						
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		No Security Information Present (No Meaningful Information in I04)		
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Mandatory
<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)						
<b>Element User Note:</b> <i>This element will be filled with spaces.</i>						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>Element User Note:</b> <i>The sender qualifier for Lowe's USA and Canadian ids for production is 08</i>						
<b>CodeList Summary</b> (Total Codes: 41, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		08		UCC EDI Communications ID (Comm ID)		
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Mandatory
<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element						
<b>Element User Note:</b> <i>The sender id for Lowe's locations in the USA for production is 6135830004. The sender id for Lowe's locations in Canada for production is 6135830006.</i>						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>Element User Note:</b> <i>All valid X12 codes are used.</i>						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Mandatory

**Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09 I08 **Interchange Date** M DT 6/6 Mandatory

**Description:** Date of the interchange

ISA10 I09 **Interchange Time** M TM 4/4 Mandatory

**Description:** Time of the interchange

ISA11 I65 **Repetition Separator** M 1/1 Mandatory

**Description:** Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

**Element User Note:** The value in the ISA11 should be the caret (^) which has an ASCII hex value of 5E.

ISA12 I11 **Interchange Control Version Number** M ID 5/5 Mandatory

**Description:** Code specifying the version number of the interchange control segments

**CodeList Summary** (Total Codes: 24, Included: 1)

<u>Code</u>	<u>Name</u>
00500	ASC X12 Standards Issued by ANSI in 2003

ISA13 I12 **Interchange Control Number** M N0 9/9 Mandatory

**Description:** A control number assigned by the interchange sender

ISA14 I13 **Acknowledgment Requested** M ID 1/1 Mandatory

**Description:** Code indicating sender's request for an interchange acknowledgment

**CodeList Summary** (Total Codes: 2, Included: 1)

<u>Code</u>	<u>Name</u>
0	No Interchange Acknowledgment Requested

ISA15 I14 **Interchange Usage Indicator** M ID 1/1 Mandatory

**Description:** Code indicating whether data enclosed by this interchange envelope is test, production or information

**CodeList Summary** (Total Codes: 3, Included: 2)

<u>Code</u>	<u>Name</u>
P	Production Data
T	Test Data

ISA16 I15 **Component Element Separator** M 1/1 Mandatory

**Description:** Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

**Element User Note:** The ISA16 will include the greater than character '>', which is a hex value of 6E.

### Segment Data Example:

Example of ISA segment for US locations.

```
ISA*00*          *00*          *08*6135830004   *01*RECEIVER ID
*080501*1700*^*00500*000000009*0*P*>|
```

Example of ISA segment for Canadian locations.

```
ISA*00*          *00*          *08*6135830006   *01*RECEIVER ID
*080501*1700*^*00500*000000009*0*P*>|
```

# GS Functional Group Header

<b>Pos:</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 8</b>

**User Option (Usage):** Mandatory

**Purpose:** 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>CodeList Summary</b> (Total Codes: 261, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PO		Purchase Order (850)		
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Mandatory
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
<b>Element User Note:</b> <i>The sender id in the GS02 for Lowe's locations in the USA for production is 6135830004. The sender id in the GS02 for Lowe's locations in Canada for production is 6135830006.</i>						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Mandatory
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Mandatory
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
GS05	337	<b>Time</b>	M	TM	4/8	Mandatory
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Mandatory
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Mandatory
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>CodeList Summary</b> (Total Codes: 2, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		X		Accredited Standards Committee X12		
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Mandatory
<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
<b>CodeList Summary</b> (Total Codes: 64, Included: 1)						
		<u>Code</u>		<u>Name</u>		

005040 Standards Approved for Publication by ASC X12 Procedures Review Board  
through October 2006

**Segment Data Example:**

*Example of GS segment for US locations.*

GS\*PO\*6135830004\*RECEIVERID\*20080501\*1646\*000000009\*X\*005040\

*Example of GS segment for Canadian locations.*

GS\*PO\*6135830006\*RECEIVERID\*20080501\*1646\*000000009\*X\*005040\

# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Mandatory

**Purpose:** 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>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Mandatory
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>CodeList Summary</b> (Total Codes: 319, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		850		Purchase Order		
ST02	329	Transaction Set Control Number	M	AN	4/9	Mandatory
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

## Segment Data Example:

ST\*850\*000000001\

# BEG Beginning Segment for Purchase Order

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Mandatory

**Purpose:** 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>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Mandatory
<b>Description:</b> Code identifying purpose of transaction set						
<b>CodeList Summary</b> (Total Codes: 67, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		00		Original		
BEG02	92	Purchase Order Type Code	M	ID	2/2	Mandatory
<b>Description:</b> Code specifying the type of Purchase Order						
<b>CodeList Summary</b> (Total Codes: 82, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		SA		Stand-alone Order		
BEG03	324	Purchase Order Number	M	AN	1/10	Mandatory
<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser						
<b>Element User Note:</b> <i>This field will include Lowe's purchase order number which includes 10 digits. This field is not zero-suppressed so there can be leading zeroes.</i>						
BEG05	373	Date	M	DT	8/8	Mandatory
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
<b>Element User Note:</b> <i>This field includes Lowe's original purchase order date.</i>						

## Segment Data Example:

BEG\*00\*SA\*0123456789\*\*20080501\

# CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Mandatory

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1504, Included: 1)

<u>Code</u>	<u>Name</u>
SE	Selling Party

CUR02	100	Currency Code	M	ID	3/3	Mandatory
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**Description:** Code (Standard ISO) for country in whose currency the charges are specified

**Element User Note:** For USA locations, the currency code = USD.

For Canadian locations, the currency code = CAD.

## Segment Data Example:

Example of CUR segment for US locations.

CUR\*SE\*USD\

Example of CUR segment for Canadian locations.

CUR\*SE\*CAD\

# REF Reference Information

Pos: 0500	Max: 3
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Mandatory

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1767, Included: 3)

<u>Code</u>	<u>Name</u>
IA	Internal Vendor Number
WH	Master Reference (Link) Number
BAI	Business Identification Number

REF02	127	Reference Identification	M	AN	1/80	Mandatory
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

## Segment User Note:

Three REF segments for the following codes will be sent at the header level for each 850 Purchase Order.

When REF01=IA, then REF02 = Lowe's Vendor Number assigned to the Supplier (10-digits in length). The vendor number field value is not zero-suppressed.

When REF01=WH, then REF02 = Lowe's assigned Vendor Set Id (up to 5-characters in length).

When REF01=BAI, then REF02=Lowe's Business Unit (5-characters in length).

These reference values must be echoed back in the 810 transaction.

## Segment Data Example:

Vendor Number  
REF\*IA\*009999999\

Vendor Set Id  
REF\*WH\*EXP01\

Business Unit  
REF\*BAI\*FIN01\

# PER Administrative Communications Contact

Pos: 0600	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Optional

**Purpose:** 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>	<u>Usage</u>
PER01	366	<b>Contact Function Code</b>	M	ID	2/2	Mandatory
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
<b>CodeList Summary</b> (Total Codes: 241, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		BD		Buyer Name or Department		
PER02	93	<b>Name</b>	O	AN	1/60	Mandatory
<b>Description:</b> Free-form name						
PER03	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Optional
<b>Description:</b> Code identifying the type of communication number						
<b>CodeList Summary</b> (Total Codes: 42, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	<b>Communication Number</b>	X	AN	1/256	Conditional
<b>Description:</b> Complete communications number including country or area code when applicable						
<b>Element User Note:</b> <i>This element will include the phone number, if available, for the buyer listed in the PER02. Please keep in mind this is a freeform text field within our application and the telephone number entry can vary. It may include a 10-digit telephone number, only an extension, the number without the area code, or verbiage such as 'ext' followed by a number.</i>						

## Segment User Note:

*If the buyer is 'not active' at the time the order is released, the PER02 will include 'Contact Procurement'.*

*If the buyer's phone number is unknown at the time the order is released, the PER04 will include Lowe's central telephone number.*

## Segment Data Example:

PER\*BD\*Buyer Name\*TE\*999/999-9999\

# TAX Tax Reference

Pos: 0700	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Optional

**Purpose:** To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

## 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>
TAX01	325	Tax Identification Number	X	AN	1/20	Mandatory

**Description:** Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

## Segment User Note:

*This segment will be included in the 850 when a Tax Exempt ID is populated within Lowe's system application for a Supplier. This is not the same as a GL account number.*

## Segment Data Example:

TAX\*IDNUMBER\

# CTP Pricing Information

Pos: 0900	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Mandatory  
**Purpose:** To specify pricing 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>
CTP02	236	Price Identifier Code	X	ID	3/3	Mandatory

**Description:** Code identifying pricing specification

**CodeList Summary** (Total Codes: 168, Included: 1)

<u>Code</u>	<u>Name</u>
TOT	Total Invoice Amount Due

CTP03	212	Unit Price	X	R	1/17	Mandatory
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**Description:** Price per unit of product, service, commodity, etc.

**Element User Note:** *This element includes the total purchase order amount. This field value may contain up to 3 decimal places. If the field value is a whole number, decimal places are excluded. This field is zero-suppressed. For display orders with zero cost, this field will include the value of 0.*

## Segment Data Example:

Total Purchase Order Invoice Amount with decimals  
 CTP\*\*TOT\*3.18\

Total Purchase Order Invoice Amount with whole number only (represents 225.00)  
 CTP\*\*TOT\*225\

Display Purchase Order with zero cost  
 CTP\*\*TOT\*0\

# CTB Restrictions/Conditions

Pos: 2800	Max: 5
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Optional

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

## 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>
CTB01	688	Restrictions/Conditions Qualifier	M	ID	2/2	Mandatory

**Description:** Code identifying the type of restriction/condition

**CodeList Summary** (Total Codes: 11, Included: 1)

<u>Code</u>	<u>Name</u>
SR	Shipping

CTB02	352	Description	X	AN	1/80	Mandatory
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**Description:** A free-form description to clarify the related data elements and their content

## Segment User Note:

*If there are special shipping instructions at the header level for the purchase order, they will be sent in this segment. This segment may be repeated 5 times and should be combined to obtain the full message at the header level. Please note, comments or special shipping instructions may also be sent at the line item level.*

## Segment Data Example:

CTB\*SR\*Shipping Instructions\

# N9 Extended Reference Information

Pos: 2950	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

**User Option (Usage):** Mandatory

**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

### 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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Mandatory
<b>Description:</b> Code qualifying the Reference Identification						
<b>CodeList Summary</b> (Total Codes: 1767, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PO		Purchase Order Number		
N902	127	Reference Identification	X	AN	1/80	Mandatory
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

### Segment User Note:

*This segment includes the Purchase Order Number (the same value as included in the BEG-03) and is included to allow for the Terms/Conditions to be sent in the MTX segment within the N9 loop in the 850.*

### Segment Data Example:

N9\*PO\*0123456789\

# MTX Text

Pos: 3000	Max: 1
Heading - Optional	
Loop: N9	Elements: 1

**User Option (Usage):** Mandatory  
**Purpose:** To specify textual 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>
MTX02	1551	Textual Data	X	AN	1/4096	Mandatory

**Description:** To transmit large volumes of message text

## Segment User Note:

*This text segment includes information on the terms/conditions for the purchase order.*

## Segment Data Example:

*MTX\*\*Goods-Services provided per EDI orders are subject to the Master Agreement between the parties\*

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 6

**User Option (Usage):** Mandatory

**Purpose:** 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>
PO101	350	Assigned Identification	O	AN	1/20	Mandatory

**Description:** Alphanumeric characters assigned for differentiation within a transaction set  
**Element User Note:** This element includes Lowe's assigned line number for an item in the Purchase Order. It should be echoed back in the 855 and 810 documents. It will be repeated in the 860 PO Change document as well as the 180 Return Authorization Request.

The same line number can also be repeated within a purchase order when the same item is ordered for multiple ship to locations.

The line number may not be sequential in the 850.

PO104	212	Unit Price	X	R	1/17	Mandatory
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**Description:** Price per unit of product, service, commodity, etc.

**Element User Note:** This element includes the price per line item. This field value may contain up to 5 decimal places. If the field value is a whole number, decimal places are excluded. This field is zero-suppressed. For display items, this field will include the value of 0.

PO106	235	Product/Service ID Qualifier	X	ID	2/2	Conditional
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 511, Included: 1)

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number

PO107	234	Product/Service ID	X	AN	1/48	Conditional
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**Description:** Identifying number for a product or service

**Element User Note:** See Segment User Note and Segment Data Example.

PO108	235	Product/Service ID Qualifier	X	ID	2/2	Conditional
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 511, Included: 1)

<u>Code</u>	<u>Name</u>
VC	Vendor's (Seller's) Catalog Number

PO109	234	Product/Service ID	X	AN	1/48	Conditional
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**Description:** Identifying number for a product or service

**Element User Note:** See Segment User Note and Segment Data Example.

## Segment User Note:

For the EDI PO (850) document, the line items included in the purchase order may vary in format as the values are based on the type of catalog used to submit the line items. It is possible an order can include all three types of items: special request, direct connect, and catalog line items. Expedited freight line items can also be included in the purchase order. For all inbound documents to Lowe's, please ensure the same data value is returned for the

item information as sent in the EDI 850 PO.

**Lowe's Internal Catalog Item IDs:**

For Lowe's Internal Catalog Item IDs, the line items in the EDI 850 PO should include the PO1-06 & 07 with CB qualifier. The majority of the time, the PO1-06 & 07 and the PO1-08 & 09 are populated for each catalog line item.

For Lowe's assigned item identifier,

- The PO1-06 will always include CB when Lowe's assigned item identifier is included in the PO1-07.
- The PO1-07 has varied formats. It always includes a length of 18 alphanumeric positions with the second part of the item ID fluctuating between a minimum of 1 digit to a maximum of 3 digits, and the third part can include leading zeroes and will vary between a minimum of 11 digits to a maximum of 13 digits. These are examples of the possible formats for the Lowe's assigned item identifier.

CM\_9\_99999999999999

CM\_99\_99999999999999

CM\_999\_99999999999999

For Lowe's/Vendor assigned model/catalog number,

- PO1-08 will always include VC when the Supplier's model/catalog number is included in the PO1-09. However, the Supplier's model/catalog number may not always be included in the PO. Note, the vendor's manufacturer item number is not included in the purchase order.
- PO1-09 will include the model/catalog number. The maximum length is 48 for this alpha-numeric data field.

**Special Request Items and Direct Connect Items:**

For both Special Request items and Direct Connect Items, only PO1-08 & 09 are populated. Although Lowe's encourages our Buyers to always enter the Lowe's/Vendor model/catalog number in the PO1-08 & 09 for Special Request items, it is possible these fields will not be populated for a line item. When this occurs, only the Item Description will be included for the line item.

- PO1-08 will always include VC when the Supplier's model/catalog number is included in the PO1-09. Note, the vendor's manufacturer item number is not included in the purchase order.
- PO1-09 will include the model/catalog number. The maximum length is 48 for this alpha-numeric data field.

**Expedited Freight Items:**

Expedited freight will be an additional line item on the Lowe's Purchase Order for each ship to location that requires special delivery. The special delivery handling does not apply to the entire order when there are multiple ship to locations in the Purchase Order. For purchase orders that include multiple ship-to locations that require special delivery such as overnight shipping, the expedited freight item number will appear as one line item within the 850 Purchase Order for each ship to location that requires special delivery. The Supplier must comply with the request. If the Purchase Order does not include the expedited freight item, the Purchase Order should be shipped with the agreed ship method. If the Supplier cannot ship the item via expedited freight, the Supplier should contact the buyer directly with the reason.

- The item information may appear in either the PO1-06 & 07 with a CB qualifier or the PO1-08 & 09 with a VC qualifier.
- The type of special delivery required for the specific ship-to location is a free-form text field; therefore, the spelling may vary. For example, a line item may contain either OVERNITE or OVERNIGHT to indicate this type of special delivery.

**Segment Data Example:**

Example with Lowe's assigned item identifier and Vendor's model number, and price with one decimal position (price=2.50)

PO1\*1\*\*\*2.5\*\*CB\*CM\_999\_999999999999\*VC\*6789VENDORMODEL\

Example with only Lowe's assigned item identifier

PO1\*1\*\*\*2.5\*\*CB\*CM\_99\_999999999999\

Example with only the Vendor's model number

PO1\*1\*\*\*2.5\*\*\*\*VC\*6789VENDORMODEL\

Example without a Lowe's assigned item identifier or Vendor's model number (description in PID provides detail on item)

PO1\*1\*\*\*2.5\

*Example of price in whole dollars (price=18.00)*

PO1\*1\*\*\*18\*\*CB\*CM\_9\_999999999999\*VC\*123VENDORMODEL\

*Example of price with maximum decimal positions -- (5 decimal positions)*

PO1\*1\*\*\*10.12345\*\*CB\*CM\_999\_999999999999\*VC\*23456VENDORMODEL\

*Example of display item with zero cost*

PO1\*1\*\*\*0\*\*CB\*CM\_99\_999999999999\*VC\*DISPLAY SIGN\

*Example of overnight special delivery line item*

PO1\*1\*\*\*25.01\*\*\*VC\*OVERNIGHT\ or PO1\*1\*\*\*25.01\*\*CB\*OVERNIGHT\

# PID Product/Item Description

Pos: 0500	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

**User Option (Usage):** Mandatory

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

## 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	M	ID	1/1	Mandatory

**Description:** Code indicating the format of a description

**CodeList Summary** (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	X	AN	1/80	Mandatory
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**Description:** A free-form description to clarify the related data elements and their content

## Segment Data Example:

PID\*F\*\*\*\*PRODUCT DESCRIPTION FIELD\

<h1>REF</h1>	<h2>Reference Information</h2>	Pos: 1000      Max: 2 Detail - Optional Loop: PO1      Elements: 2
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**User Option (Usage):** Optional  
**Purpose:** 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>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Mandatory

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1767, Included: 2)

<u>Code</u>	<u>Name</u>
BC	Buyer's Contract Number
FCN	Assigned Contract Number

REF02	127	Reference Identification	X	AN	1/80	Mandatory
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Element User Note:** *When REF01=BC, then REF02=Buying Agreement ID. The Buying Agreement ID may not always be included in the PO.*

*When REF01=FCN, REF02=Buying Agreement Line Number. The Buying Agreement Line Number may not always be included in the PO.*

**Segment Data Example:**

*Example of Buying Agreement Id*  
 REF\*BC\*AGREEMENT ID\

*Example of Buying Agreement Line Number*  
 REF\*FCN\*999999999\

# FOB F.O.B. Related Instructions

Pos: 1800	Max: 1
Detail - Optional	
Loop: PO1	Elements: 1

**User Option (Usage):** Optional

**Purpose:** 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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Mandatory

**Description:** Code identifying payment terms for transportation charges

**CodeList Summary** (Total Codes: 31, Included: 4)

<u>Code</u>	<u>Name</u>
BP	Paid by Buyer
CC	Collect
DE	Per Contract
PS	Paid by Seller

## Segment Data Example:

FOB\*CC\

# CTB Restrictions/Conditions

Pos: 2920	Max: 5
Detail - Optional	
Loop: PO1	Elements: 2

**User Option (Usage):** Optional

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

## 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>
CTB01	688	Restrictions/Conditions Qualifier	M	ID	2/2	Mandatory

**Description:** Code identifying the type of restriction/condition

**CodeList Summary** (Total Codes: 11, Included: 1)

<u>Code</u>	<u>Name</u>
SR	Shipping

CTB02	352	Description	X	AN	1/80	Conditional
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**Description:** A free-form description to clarify the related data elements and their content

## Segment User Note:

*If there are special shipping instructions at the line item level, they will be sent in this segment. This segment may be repeated 5 times and should be combined to obtain the full message at the line item level. Please note, comments or special shipping instructions may also be sent at the header level for the purchase order.*

## Segment Data Example:

CTB\*SR\*Shipping Instructions\

# SCH Line Item Schedule

Pos: 2950	Max: 1
Detail - Optional	
Loop: SCH	Elements: 5

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
SCH01	380	Quantity	M	R	1/15	Mandatory

**Description:** Numeric value of quantity

**Element User Note:** Lowe's may send the order quantity with up to 4 digits to the right of the decimal. If the field value is a whole number, decimal places are excluded. This field is zero-suppressed.

**Element Data Example:** Example of whole number: 100

Example of 4 decimal places: 100.1234

Example of 2 decimal places: 100.12

SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2	Mandatory
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**All valid standard codes are used. (Total Codes: 884)**

SCH05	374	Date/Time Qualifier	M	ID	3/3	Mandatory
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**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1288, Included: 1)

<u>Code</u>	<u>Name</u>
067	Current Schedule Delivery

SCH06	373	Date	M	DT	8/8	Mandatory
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

**Element User Note:** This element represents the date the item is due for delivery.

SCH12	350	Assigned Identification	O	AN	1/20	Mandatory
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**Description:** Alphanumeric characters assigned for differentiation within a transaction set

**Element User Note:** This is Lowe's schedule number and it must be echoed back in the 855 Purchase Order Acknowledgment and 810 Invoice transactions. The same schedule number is sent in the 850 PO and 860 PO Change documents.

## Segment Data Example:

SCH\*12\*EA\*\*\*067\*20080601\*\*\*\*\*1\

# N1 Party Identification

Pos: 3500	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Mandatory

**Purpose:** 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>
N101	98	Entity Identifier Code	M	ID	2/3	Mandatory

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**CodeList Summary** (Total Codes: 1504, Included: 1)

<u>Code</u>	<u>Name</u>
ST	Ship To

N102	93	Name	X	AN	1/60	Mandatory
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**Description:** Free-form name

**Element User Note:** This element will contain the name of the store, distribution center, Lowe's corporate office, or temporary ship to location.

N103	66	Identification Code Qualifier	X	ID	1/2	Mandatory
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**CodeList Summary** (Total Codes: 249, Included: 1)

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Mandatory
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**Description:** Code identifying a party or other code

**Element User Note:** In the event a new store has not yet opened, the shipment may need to be delivered to a nearby location (temporary address). When this occurs, the N102 will include the wording 'TEMP ADDR' with no value sent in the N103 and N104. The temporary address should not be added to any cross-reference fields for future shipments.

For all other locations, this element will contain the location number for the store number, distribution center number, or Lowe's corporate office.

When shipping to a regional division office, a numeric suffix is added to the N104. See example below.

## Segment Data Example:

Ship to Lowe's Store (single-digit store #)  
 N1\*ST\*LOWE'S OF SHAWNEE, OKLA.\*92\*0005\

Ship to Lowe's Store (multi-digit store #)  
 N1\*ST\*LOWE'S OF LAYTON, UT.\*92\*0015\

Ship to Non-Lowe's Location (temporary ship to address for store not yet opened; N103 and N104 will not be included with N102 including the verbiage 'TEMP ADDR')  
 N1\*ST\*TEMP ADDR\

Ship to and Division Office (ship to number will include an underscore and suffix (2-99))  
 N1\*ST\*MIDWEST DIVISION - 0229\*92\*09980229\_2\

Ship to Various Lowe's Locations (As agreed upon with Procurement; ship to location numbers are not included in

*the PO. For questions, contact Lowe's Buyer.)*  
N1\*ST\*VARIOUS LOWE'S LOCATION\*92\*VL\

*Ship to Lowe's Home Improvement, LLC*  
N1\*ST\*LOWE'S HOME IMPROVEMENT, LLC\*92\*CPRA\

*Ship to a Lowe's Corporate Office*  
N1\*ST\*STORE PLANNING SYSTEMS - 0500\*92\*09980500\

# N3 Party Location

Pos: 3700	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Optional

**Purpose:** 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>
N301	166	<b>Address Information</b>	M	AN	1/55	Mandatory
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Conditional
		<b>Description:</b> Address information				

## Segment User Note:

*The N3 segment may be repeated if additional address information is included in the purchase order. This segment may be repeated 2 times.*

*Also note, if N104=VL, the N3 segment will not be included in the 850. For questions, contact Lowe's Buyer.*

## Segment Data Example:

*N3\*Address Example in N301\*Address Example in N302\*

# N4 Geographic Location

Pos: 3800	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Mandatory

**Purpose:** To specify the geographic place 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>
N401	19	<b>City Name</b> <i>Description:</i> Free-form text for city name	O	AN	2/30	Optional
N402	156	<b>State or Province Code</b> <i>Description:</i> Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Optional
N403	116	<b>Postal Code</b> <i>Description:</i> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Optional
N404	26	<b>Country Code</b> <i>Description:</i> Code identifying the country	X	ID	2/3	Mandatory

## Segment User Note:

*If N104=VL, the N401, 02, and 03 will not be included in the 850. For questions, contact Lowe's Buyer.*

## Segment Data Example:

*Example of N4 segment for US locations.*  
N4\*WINSTON SALEM\*NC\*27103\*USA\

*Example of N4 segment for Canadian locations.*  
N4\*TORONTO\*ON\*A1A 2B2\*CAM\

*Ship to Various Lowe's Locations in USA (as agreed upon with Procurement)*  
N4\*\*\*\*USA\

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

**User Option (Usage):** Mandatory

**Purpose:** 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>
CTT01	354	Number of Line Items	M	NO	1/6	Mandatory

**Description:** Total number of line items in the transaction set

## Segment User Note:

*This segment includes the number of line items on the Purchase Order.*

## Segment Data Example:

CTT\*1\

# SE Transaction Set Trailer

Pos: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	NO	1/10	Mandatory
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Mandatory
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		<b>Element User Note:</b> <i>The control number must match the control number in the ST02.</i>				

## Segment Data Example:

SE\*15\*000000001\

# GE Functional Group Trailer

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

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	NO	1/6	Mandatory
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	<b>Group Control Number</b>	M	NO	1/9	Mandatory
<b>Description:</b> Assigned number originated and maintained by the sender						
<b>Element User Note:</b> <i>The control number must match the control number in the GS06.</i>						

## Segment Data Example:

GE\*1\*000000009\

# IEA Interchange Control Trailer

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

**User Option (Usage):** Mandatory

**Purpose:** 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>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Mandatory
<b>Description:</b> A count of the number of functional groups included in an interchange						
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Mandatory
<b>Description:</b> A control number assigned by the interchange sender						
<b>Element User Note:</b> <i>The control number must match the control number in the ISA13.</i>						

## Segment Data Example:

IEA\*1\*000000009\