

LOWE'S EDI

824 Application Advice for Procurement 810 Data Errors

Version: 5040

Publication: 2/1/2009

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824

Application Advice

Functional Group=AG

Purpose: This X12 EDI document includes the 824 Application Advice data requirements used by Lowe's for reporting Procurement 810 Invoice data errors to our Procurement Suppliers. The 810 data validation will be based on the requirements included in the 810 Invoice Implementation Guide for Procurement.

Lowe's will perform data validations before passing your invoice to our Accounting system. If there are data errors with your 810 Invoice transaction, the 824 Application Advice EDI document will be used to notify you of those errors. This document will simplify the process of notifying you of data errors and will allow a faster turnaround of a corrected 810 from your company. An EDI 997 Functional Acknowledgement will be required from your company to indicate receipt of the 824 EDI transaction.

Note, the initial data validation performed is the first step in processing your 810. If there are Accounting data issues identified after your 810 is passed to the application, you will be notified separately of those data issues by Lowe's Accounting team.

If there are data discrepancies with the 810 data, the 997 that Lowe's returns for the 810 Invoice will always include an E to indicate the 810 data was rejected. The 824 should be used to address any data discrepancies with the 810.

The 810 Invoices that are reported in the 824 have a rejected status. The corrected 810 Invoice should be sent in a new interchange to Lowe's. For rejected 810 transactions, the trading partner should identify what caused the error and make the necessary system application changes to eliminate the error in future EDI 810 Invoice transactions. The entire invoice should be resent.

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

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	BGN	Beginning Segment	M	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 - OTI			-	-	≥1	N2/0100L	-
0100	OTI	Original Transaction Identification	M	1		N2/0100	Mandatory
0200	REF	Reference Information	O	>1		N2/0200	Conditional
LOOP ID - TED			-	-	≥1	-	-
0700	TED	Technical Error Description	O	1			Mandatory
0800	NTE	Note/Special Instruction	O	100			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>
0900	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>
	GE	Functional Group Trailer	M	1			Mandatory
	IEA	Interchange Control Trailer	M	1			Mandatory

ISA Interchange Control Header

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

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	Authorization Information Qualifier	M	ID	2/2	Mandatory
Description: Code identifying the type of information in the Authorization Information						
		<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
Description: 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)						
Element User Note: <i>This element will be filled with spaces.</i>						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Mandatory
Description: Code identifying the type of information in the Security Information						
		<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
Description: 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)						
Element User Note: <i>This element will be filled with spaces.</i>						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Mandatory
Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
Element User Note: <i>The sender qualifier for Lowe's USA and Canadian ids for production is 08.</i>						
		<u>Code</u>	<u>Name</u>			
		08	UCC EDI Communications ID (Comm ID)			
ISA06	I06	Interchange Sender ID	M	AN	15/15	Mandatory
Description: 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						
Element User Note: <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	Interchange ID Qualifier	M	ID	2/2	Mandatory
Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified						
Element User Note: <i>All valid X12 codes are used.</i>						
ISA08	I07	Interchange Receiver ID	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						
		Code	Name			
		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						
		Code	Name			
		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						
		Code	Name			
		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

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

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	Functional Identifier Code	M	ID	2/2	Mandatory
Description: Code identifying a group of application related transaction sets						
		<u>Code</u>	<u>Name</u>			
		AG	Application Advice (824)			
GS02	142	Application Sender's Code	M	AN	2/15	Mandatory
Description: Code identifying party sending transmission; codes agreed to by trading partners						
Element User Note: <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	Application Receiver's Code	M	AN	2/15	Mandatory
Description: Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	Date	M	DT	8/8	Mandatory
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
GS05	337	Time	M	TM	4/8	Mandatory
Description: 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	Group Control Number	M	N0	1/9	Mandatory
Description: Assigned number originated and maintained by the sender						
GS07	455	Responsible Agency Code	M	ID	1/2	Mandatory
Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
		<u>Code</u>	<u>Name</u>			
		X	Accredited Standards Committee X12			
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Mandatory
Description: 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						
		<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*AG*6135830004*RECEIVERID*20080501*1646*000000009*X*005040*

Example of GS segment for Canadian locations.

*GS*AG*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
Description: Code uniquely identifying a Transaction Set						
		<u>Code</u>		<u>Name</u>		
		824		Application Advice		
ST02	329	Transaction Set Control Number	M	AN	4/9	Mandatory
Description: 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*824*000000001\

BGN Beginning Segment

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

User Option (Usage): Mandatory

Purpose: To indicate the beginning of a 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>
BGN01	353	Transaction Set Purpose Code	M	ID	2/2	Mandatory
Description: Code identifying purpose of transaction set						
		<u>Code</u>	<u>Name</u>			
		00	Original			
BGN02	127	Reference Identification	M	AN	1/80	Mandatory
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
Element User Note: <i>This should include the Invoice # from the 810.</i>						
BGN03	373	Date	M	DT	8/8	Mandatory
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
Element User Note: <i>This field includes the date the 824 is sent to the Supplier.</i>						
BGN04	337	Time	X	TM	4/8	Conditional
Description: 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)						
Element User Note: <i>This field includes the time the 810 was processed by Lowe's.</i>						

Segment Data Example:

BGN*00*0123456789*20081001*171241\

OTI Original Transaction Identification

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: OTI	Elements: 9

User Option (Usage): Mandatory

Purpose: To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

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>
OTI01	110	Application Acknowledgment Code	M	ID	1/2	Mandatory
<p>Description: Code indicating the application system edit results of the business data Element User Note: <i>The 810 has rejected. After the corrections are made to the invoice, the entire invoice should be resent in a new EDI interchange.</i></p>						
		<u>Code</u>	<u>Name</u>			
		TR	Transaction Set Reject			
OTI02	128	Reference Identification Qualifier	M	ID	2/3	Mandatory
<p>Description: Code qualifying the Reference Identification</p>						
		<u>Code</u>	<u>Name</u>			
		PO	Purchase Order Number			
OTI03	127	Reference Identification	M	AN	1/80	Mandatory
<p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Element User Note: <i>If OTI02=PO, OTI03=the Purchase Order Number from the 810. If the Purchase Order Number is not available, the OTI03=NA.</i></p>						
OTI04	142	Application Sender's Code	O	AN	2/15	Mandatory
<p>Description: Code identifying party sending transmission; codes agreed to by trading partners Element User Note: <i>This field includes the sender's EDI id as sent in the 810.</i></p>						
OTI06	373	Date	O	DT	8/8	Conditional
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year Element User Note: <i>This field includes the date the 810 was processed by Lowe's.</i></p>						
OTI07	337	Time	O	TM	4/8	Conditional
<p>Description: 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) Element User Note: <i>This field includes the time the 810 was processed by Lowe's.</i></p>						
OTI08	28	Group Control Number	X	N0	1/9	Mandatory
<p>Description: Assigned number originated and maintained by the sender Element User Note: <i>This field includes the GS control number from the 810.</i></p>						
OTI09	329	Transaction Set Control Number	O	AN	4/9	Mandatory
<p>Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Element User Note: <i>This field includes the ST control number from the 810.</i></p>						
OTI10	143	Transaction Set Identifier Code	O	ID	3/3	Mandatory
<p>Description: Code uniquely identifying a Transaction Set</p>						

<u>Code</u>	<u>Name</u>
810	Invoice

Segment User Note:

In order to accommodate purchase orders with multiple schedules, the OTI loop may be repeated for one 810 ST transaction with multiple errors.

Segment Data Example:

Example with Purchase Order Number from 810

*OTI*TR*PO*0123456789*senderidfrom810**20081001*1616*9999*999999999*810*

Example without Purchase Order Number (not available)

*OTI*TR*PO*NA*senderidfrom810**20081001*1616*9999*999999999*810*

REF Reference Information

Pos: 0200	Max: >1
Detail - Optional	
Loop: OTI	Elements: 2

User Option (Usage): Conditional

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

<u>Code</u>	<u>Name</u>
72	Schedule Reference Number
FJ	Line Item Control Number
IA	Internal Vendor Number
TN	Transaction Reference Number
BAI	Business Identification Number

REF02	127	Reference Identification	X	AN	1/80	Conditional
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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: If REF01=IA, REF02=Vendor Number sent in the 810 (10-digits in length).

If REF01=FJ, REF02=Invoice Line Number sent in the 810.

If REF01=72, REF02=Schedule Number sent in the 810.

If REF01=TN, REF02=Interchange Control Number sent in the 810.

If REF01=BAI, REF02=Lowe's Business Unit sent in the 810 (5-characters in length).

Segment Data Example:

Vendor Number
REF*IA*0000099999\

Schedule Number
REF*72*1\

Invoice Line Number
REF*FJ*1\

Interchange Control Number
REF*TN*123456789\

Business Unit
REF*BAI*FIN01\

TED Technical Error Description

Pos: 0700	Max: 1
Detail - Optional	
Loop: TED	Elements: 2

User Option (Usage): Mandatory

Purpose: To identify the error and, if feasible, the erroneous segment, or data element, or both

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>
TED01	647	Application Error Condition Code	M	ID	1/3	Mandatory

Description: Code indicating application error condition

<u>Code</u>	<u>Name</u>
Q	Missing or Invalid Item Identification
MB	Missing or Invalid Purchase Order Number
MF	Missing or Invalid Internal Vendor Number
138	Purchase Order Closed
848	Incorrect Data
OTH	Other

TED02	3	Free-form Message	O	AN	1/60	Conditional
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Description: Free-form text

Element User Note: *If TED01=MB, TED02=Business Unit and/or PO Number is missing/invalid. Resend.*

If TED01=138, TED02=PO Number is closed. Please contact buyer.

If TED01=848, TED02=Invalid field=xxx value=yyy. Resend.

If TED01=Q, TED02=Invoice Line Number is missing. Resend entire invoice.

If TED01=MF, TED02=Vendor Number is invalid. Resend entire invoice.

If TED01=OTH, TED02=Unknown Error Encountered. Resend invoice.

Notes

For MB and 138 errors, the remainder of the 810 is not validated. After those errors are corrected by the vendor and the 810 is resent, the 810 will again be validated.

For OTH, the processing error could not be identified and the invoice should be resent after the vendor checks the 810 data.

For 848 errors, these are the fields that are reported with this error code when invalid: Unit of Measure, Ship To Id, Invoice Date, Invoice Number, PO Line Number, Item Quantity, Item Description, and Schedule Number.

When error messages are longer than 60 characters in length, the message will be continued in the NTE segment.

Always resend the entire invoice with corrections upon receiving an 824.

Please note these errors are subject to change.

Segment Data Example:

Example of Closed PO Error

*TED*138*PO Number is closed. Please contact buyer.*

NTE Note/Special Instruction

Pos: 0800	Max: 100
Detail - Optional	
Loop: TED	Elements: 2

User Option (Usage): Conditional

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

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>
NTE01	363	Note Reference Code	O	ID	3/3	Conditional
		Description: Code identifying the functional area or purpose for which the note applies				
		<u>Code</u>		<u>Name</u>		
		ADD		Additional Information		
NTE02	352	Description	M	AN	1/80	Mandatory
		Description: A free-form description to clarify the related data elements and their content				

Segment User Note:

The NTE segment will be included in the 824 if additional comments are continued from the TED segment.

Segment Data Example:

*NTE*ADD*Error message continued from TED segment.*

SE Transaction Set Trailer

Pos: 0900	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	Number of Included Segments	M	NO	1/10	Mandatory
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Mandatory
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		Element User Note: <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	Number of Transaction Sets Included	M	NO	1/6	Mandatory
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	NO	1/9	Mandatory
Description: Assigned number originated and maintained by the sender						
Element User Note: <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	Number of Included Functional Groups	M	N0	1/5	Mandatory
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Mandatory
Description: A control number assigned by the interchange sender						
Element User Note: <i>The control number must match the control number in the ISA13.</i>						

Segment Data Example:

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IEA*1*000000009\
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