

LOWE'S COMPANIES, INC.

**ELECTRONIC DATA INTERCHANGE
PARTNER IMPLEMENTATION PACKAGE**

810 (INVOICE) TRANSACTION SET

ANSI X12.104

8/14/97

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1. SOURCES OF INFORMATION ABOUT EDI**STANDARDS DOCUMENTATION**

If you are new to EDI, you may write and obtain literature on the subject. Below is a list of authoritative sources for this literature. As a minimum, we recommend that you obtain a copy of the current ANSI X12 Standards and the EDI Yellow Pages. The former gives you precise specifications for EDI document structure and contents, while the latter will put you in touch with the EDI world. We also recommend that you get involved in your own particular industry association. Many industry associations hold meetings involving UPC, EDI and Quick Response. Examples are the American Hardware Manufacturers Association and the American Forest & Paper Association.

Nationally, there is one EDI standards-making body, American National Standards Institute (ANSI) Internationally, EDI standards are the responsibility of Working Party 4 of the Economic Commission of Europe, a commission of the United Nations. Working Party 4's document standards are known as EDIFACT (EDI for Administration, Commerce, and Trade).

American National Standards Institute
1430 Broadway
New York, NY 10018

ANSI publishes U.S. standards for several business documents:

Supporting Standards Framework

- X12.3 Data Element Dictionary
- X12.5 Interchange Control Structure
- X12.6 Application Control Structure
- X12.20 Functional Acknowledgment 997
- X12.22 Data Segment Directory

Specific Transaction Sets

- X12.1 Purchase Order (850)
- X12.2 Invoice (810)
- X12.4 Payment Order/Advice (820)
- X12.9 PO Acknowledgment (855)
- X12.10 Shipping Notice (856)
- X12.14 Planning Schedule (830)
- X12.52 Product Activity Data (852)

These and many other transaction sets are developed by the Accredited Standards Committee X12 (ASC X12), which develops all U.S. EDI standards for approval by ANSI. ASC X12 publishes new standards annually, and they are quickly implemented. You may obtain all published versions of the ASC X12 documents from the following two organizations:

Data Interchange Standards Association
(Secretariat of Accredited Standards Committee X12)
Suite 355
1800 Diagonal Road
Alexandria, Virginia 22314-2852 (703) 548-7005

EDI Support Services (800) 334-4912
P. O. Box 203
Chardon, OH 44024-0203

The following organization interprets the ANSI X12 standards for the **retail** industry. Semi-annually they publish a retail-oriented subset of the ANSI X12 documents.

VICS (Voluntary Interindustry Communication Standards)
c/o Uniform Code Council, Inc.
8163 Old Yankee Road, Suite J
Dayton, Ohio 45458

EDI YELLOW PAGES

This is a telephone-style book that lists a contact name and phone number for all companies doing business via EDI, plus standards organizations, publishers, consultants, software and hardware partners, and network service providers. It is published semi-annually.

EDI Yellow Pages
c/o EDI, Spread the Word
3331 Towerwood Dr. Suite 106
Dallas, TX 75234 (972) 243-3456

EDI PUBLICATIONS

The following publications provide helpful information about implementing EDI, current events, and product comparisons:

EDI World
2021 Coolidge St.
Hollywood, FL 33020-2012 (800) 336-4887

EDI News Business Information, Inc.
1201 Seven Locks Road
Potomac, MD 20854 (301) 340-2100

LOWE'S EDI COORDINATORS

If you have questions about EDI or want to discuss the details of implementing EDI with Lowe's, please call one of our EDI coordinators. Each is very knowledgeable about EDI and the information presented in this package.

We have coordinators for each application area, Merchandising and Payables. These individuals are listed below with their phone numbers and areas of responsibility.

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Kamela Hemric, EDI Coordinator - B - G Partners - 214, 850, 855 documents

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Bridgett Gardner, Financial EDI - Backup Support - 210, 810, 820 documents

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Mailing address:

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North Wilkesboro, NC 28656-0001

2. DATA COMMUNICATIONS

Lowe's has chosen to conduct EDI data communications through third-party networks (Value Added Networks or VANs). With only a limited investment in data communications equipment and personnel, this approach enables Lowe's and our partners to exchange EDI data with an unlimited number of trading partners. Also, VAN-based data communications eliminate scheduling problems, provide standard logical and physical datacomm interfaces, and enable faster data interchange through parallel operation.

When communicating through VANs, there are a few basic practices that should be observed.

MAILBOX ACTIVITY

The first concerns the timing of data transmissions and document retrieval. Obviously, the timeliness of our transmissions are rendered useless if our partners choose not to dial in to their EDI mailboxes regularly. As a minimum, Lowe's requires all its EDI partners to access their EDI mailboxes **DAILY**. A schedule of pick up times may be discussed at the time a trading partnership is established.

Most VANs produce control reports that summarize the data exchanged with their customers. For example, Sterling Software's Network Services Division provides a '70' report that lists the following information for each customer's mailbox activity:

- interchange control number
- group control number
- date and time the interchange was mailboxed
- the date and time the interchange was retrieved
- how many documents were in the interchange
- the name of the sender or receiver of the document

By providing the date and time that a trading partner retrieved the interchange, you can be assured that your documents have been picked up. The reports will also show if you were successful in retrieving all the interchanges in your mailbox. For example, you might have modem problems and not realize it until you analyze the '70' report and discover that there are more interchanges in your mailbox than you retrieved. We strongly recommend that all of our trading partners receive these control reports from their VAN, and learn how to read the information that they provide.

FUNCTIONAL ACKNOWLEDGMENTS

Secondly, we require all partners to return functional acknowledgments (997) for our documents upon receipt of those documents. If acknowledgment failed for a particular transmission and cannot be regenerated, we then require a fax stating the interchange number and date and a contact name and phone number in case of questions. Send the fax to the appropriate EDI Coordinator.

Lowe's will retrieve mail from our mailbox after each outbound transmission has been completed. This inbound data consists of invoices, acknowledgment for purchase orders, etc. If invoices are received and processed by 7:00pm, a functional acknowledgment will be transmitted that same night. However, if the invoice is processed after 7:00pm, a functional acknowledgment will be transmitted the next evening (Monday through Friday).

NETWORKS

Lowe's has chosen Sterling Commerce (formerly Ordernet) as our primary VAN. You may contact them through Lou Spreitzer, Tracy Powell or Ralph Schmelmer as indicated below:

Sterling Commerce	Vickie Compton	(614) 793-7150
Network Services Division	Carol Smith	(614) 793-7275
4600 Lakehurst Court	FAX:	(614) 793-7092
Dublin, OH 43017		

Sterling's network will be the fastest and safest way to move data between our two companies. When a partner uses a different VAN, an interconnect is then required. For example, we transmit documents to Sterling and they transfer those same documents to your VAN. You then dial your VAN to retrieve the documents. Therefore, it takes longer to exchange EDI data between our two companies, and the data's audit trail becomes obscure.

3. TRANSLATION SOFTWARE**PC SOFTWARE**

PC EDI software is a rapidly growing area, and there are dozens of products available. An excellent source of information about packages that are available, as well as contacts for those suppliers, is a publication called the *EDI SOFTWARE DIRECTORY* published by EDI WORLD. This valuable publication can be obtained for a few dollars by calling 800-336-4887.

The selling price of most PC-based translators includes implementation of at least one EDI application. In addition, some software suppliers have provided templates in their packages that are promoted as compatible with Lowe's EDI requirements. Please call these firms, ask for their literature, and decide for yourself which product best suits your organization's needs.

Some suppliers of PC EDI software are listed below for your convenience:

<u>Software Provider</u>	<u>Phone Number</u>
DNS Worldwide	800-624-6354 (ext. 4414)
Piedmont Systems	910-766-5255
St. Paul Software	612-641-0963
Sterling Software	614-793-7197
Supply Tech	313-998-4056
TSI International	800-334-2120

Internet solution for low invoice volume (< 30 invoices per month) suppliers:

TranSettlements	800-432-6428
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FEATURE RECOMMENDATIONS

Lowe's recommends that **any** software package have the following features:

1. Be able to monitor control numbers. Each transmission that you receive from Lowe's has unique control numbers in the ISA header, the GS segment and the ST segment. These control numbers increment by one for each consecutive transmission, group, transaction set or functional acknowledgment. Your system should be able to verify that an interchange, group, or transaction set has not been missed or duplicated. It is imperative that these controls be monitored **daily** to insure the integrity of the EDI program. Ask your software provider how your system monitors these control numbers.
2. Be able to automatically return a functional acknowledgment upon receipt of an interchange. This will probably involve dialing the network a second time to send the acknowledgment back. This also helps to insure the integrity of EDI.
3. Reflect the correct document date. There are many software packages that label the document date as the date the order was **retrieved** instead of the date that it was **created**. If you neglect accessing EDI daily, then it appears that Lowe's doesn't provide enough lead time to fill orders. Although this feature of the software is not as critical as the first two, you should at least understand how your software arrives at the purchase order date.
4. Kick out errors intact. If we send you information in an EDI document that your system cannot translate, the software should "kick out" the information "intact." Some packages garble the information so badly that you have no idea what the problem was or which partner sent it.

CHECKS AND BALANCES IN EDI

In summarizing, there are three main checks and balances in EDI:

- Each transmission has unique control numbers which should be monitored.
- Each transmission should be acknowledged.
- All mailbox activity should be monitored using VAN reports.

Following the steps above should eliminate a "lost" transmission.

4. EDI TRANSACTION SETS

Lowe's currently supports the following EDI transaction sets:

- 210 Motor Carrier Freight Details and Invoice
- 214 Transportation Carrier Shipment Status Message
- 810 Invoice
- 820 Payment Order/Remittance Advice
- 850 Purchase Order
- 855 Purchase Order Acknowledgment
- 980 Freight Invoice Summary
- 997 Functional Acknowledgment

The transaction information applicable for your company follows. If you would like additional transaction sets implemented, please contact the appropriate EDI Coordinator.

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***IMPLEMENTATION
GUIDE***



Invoice

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Basic Invoice Information

One 810 transaction will be required for each invoice.

Invoices must have correct store number and PO number (no names please). Invoices must have correct pricing, quantities, Lowe's SKU numbers (if stock order) and method of freight handing codes. Send only one invoice per store/PO number combination and include only one order on each invoice.

Reference all miscellaneous and credit invoices by providing Lowe's store location, number and PO /Reference Number.

Lowe's may send the same purchase order number for different locations! Please utilize both the store location as well as the purchase order number if your system requires unique PO numbers. (i.e. 0001-54321; 0999-53421; 0345-53421)

We have three testing phases at Lowe's:

TEST - Your initial test invoice can be a dummy invoice or an invoice you have already sent to Lowe's by paper. This will enable us to examine the EDI invoice for technical accuracy.

PARALLEL - Once the invoices arrive technically correct, we will ask you to send every invoice by EDI while still sending paper invoices in your usual manner. This will allow us to compare your invoices to the Purchase Order and Receiving Report in our system. This is the way the system will check your invoices when you are sending invoices in the Production (also called "Live") mode.

PRODUCTION - When we have received three good parallel tests that are technically correct and that match up accurately with the Purchase Order and Receiving Report, we will discuss a date to change you to production. At that time, we will need for you to check to make certain that you have a 'P' in your ISA15. There is no need to reset control numbers.

Data Type Description

ID	Identifier	Values for the identifier type data elements are taken from a redefined list in the ASC X12 Data Element Dictionary. The subset that Lowe's supports is listed in the Contents and Purpose columns of this document.
AN	String	Values for the string type data elements are a sequence of any printable characters. Do not use any of the following characters in a data field, '*' '>' '\', as they may be used as separators.
DT	Date	Values for a date type data element are in the format YYMMDD.
TM	Time	Values for a time type date element are in the format HHMM, expressed in 24 hour clock. E.g. to send the time 5:30 p.m. the field would contain '1730'.
Nx	Numeric	Values for a numeric type data element are in an implied decimal format, where 'x' indicates the number of places to the right of the decimal point. E.g. to send the number 0123.45 in a N2 element the field would contain '12345'.
R	Decimal	Values for a numeric field in character format, with a decimal point included. It is treated as alpha/numeric. The decimal point is not sent for whole numbers. E.g. to send the number 0128.734 the field would contain '128.734'. to send the number 0789.00 the field would contain '789'.
M/M	Minimum / Maximum	This is the minimum and maximum length the field can be. E.g. 02 / 02 - fixed length of 2 characters. 04 / 09 - Minimum length of 4 characters and maximum length of 9 characters.

Segment Looping

SEG. ID	NAME	Usage Lowe's / VICS	MAX USE	LOOP REPEAT
ISA	Interchange Control Header	M / M	1	
GS	Functional Group Control Header	M / M	1	
ST	Transaction Set Header	M / M	1	
BIG	Beginning Segment for Invoice	M / M	1	
N1	Segment for identifying store #	M / M	1	
ITD	Payment terms information	M / M	1	
DTM	Date/Time Reference	M / O	10	
FOB	Shipment Method of Payment	M / M	1	
	LOOP ID - IT1			100000
IT1	Baseline Item Data	M / M	1	
	LOOP ID - PID		1000	
PID	Product/Item Description	M / O	10	
TDS	Total Invoice Amount	M / M	1	
ITA	Allowance /Charge Information	C / O	1	
CAD	Carrier Name	M / M	1	
CTT	Number of Line Items	M / M	1	
SE	Transaction Set Trailer	M / M	1	
GE	Functional Group Trailer	M / M	1	
IEA	Interchange Control Trailer	M / M	1	

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
ISA*00*	*00*		*01*SENDER'S ID				*01*006097142*951218*1700*U*00300*000000001*0*P*\	
ISA	Interchange Control Header			M / M			ISA	Max use 1
	Authorization Information Qualifier	ISA-01	I01	M / M	ID	2 / 2	00	No Authorization Information Present (in ISA-02)
	Authorization Information	ISA-02	I02	M / M	AN	10 / 10	spaces	
	Security Information Qualifier	ISA-03	I03	M / M	ID	2 / 2	00	No Security Information Present (in ISA-04)
	Security Information	ISA-04	I04	M / M	AN	10 / 10	spaces	
	Interchange Sender ID Qualifier	ISA-05	I05	M / M	ID	2 / 2	01	Your Interchange Id Qualifier
	Interchange Sender ID	ISA-06	I06	M / M	ID	15 / 15	Sender ID	Your Interchange Id
	Interchange Receiver ID Qualifier	ISA-07	I07	M / M	ID	2 / 2	01	Lowe's Interchange Receiver Id Qualifier
	Interchange Receiver ID	ISA-08	I07	M / M	ID	15 / 15	006097142	Lowe's Interchange Receiver Id
	Interchange Date	ISA-09	I08	M / M	DT	6 / 6	951218	Current date (YYMMDD)
	Interchange Time	ISA-10	I09	M / M	TM	4 / 4	1700	Current time (HHMM)
	Interchange Standards ID	ISA-11	I10	M / M	ID	1 / 1	U	U.S. EDI Community of ASC X12, TDCC, and UCS
	Interchange Version ID	ISA-12	I11	M / M	ID	5 / 5	00300	
	Interchange Control Number	ISA-13	I12	M / M	N0	9 / 9	000000001	Interchange audit control number, must be sequential. Used to determine if data has been lost or duplicated
	Acknowledgment Request Flag	ISA-14	I13	M / M	ID	1 / 1	0	No Interchange Acknowledgment Requested
	Test//Production Indicator	ISA-15	I14	M / M	ID	1 / 1	P	Production Data
	Element Separator						*	
	Subelement Separator	ISA-16	I15	M / M	AN	1 / 1	>	
	Segment Terminator			M/M		1 / 1	\	

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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GS*IN*RECEIVER'S ID*006097142*951218*1646*1*X*003010

GS	Group Control Header			M / M			GS	Max use 1
							*	
	Functional Identifier Code	GS-01	479	M / M	ID	2 / 2	IN	Invoice Transaction (810)
							*	
	Application Sender's Code	GS-02	142	M / M	AN	2 / 15	SENDER'S ID	Your Group Sender ID
							*	
	Application Receiver's Code	GS-03	124	M / M	AN	2 / 15	006097142	Lower's Group Receiver ID
							*	
	Group Date	GS-04	29	M / M	DT	6 / 6	951218	Group Creation Date
							*	
	Group Time	GS-05	30	M / M	TM	4 / 4	1646	Group Creation Time
							*	
	Group Control Number	GS-06	28	M / M	N0	1 / 9	1	Group Audit Control Number (must be sequential) Used to determine if data has been lost or duplicated.
							*	
	Responsible Agency Code	GS-07	455	M / M	ID	1 / 2	X	Responsible Agency Code (X12)
							*	
	Version Release / Industry ID Code	GS-08	480	M / M	ID	1 / 12	003010	Standards version.

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Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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ST*810*0001\

ST				M / M			ST	Max use 1
							*	
	Transaction Set Identifier Code	ST-01	143	M / M	ID	3 / 3	850	X12.1 Purchase Order
							*	
		ST-02	329	M / M	AN	4 / 9	0001	Transaction Audit Control Number (must be sequential) Used to determine if data has been lost or duplicated.

BIG*951218*98765*951211*54321***\

BIG	Beginning Segment for Invoice			M / M			BIG	Max use 1
							*	
	Invoice Date	BIG-01	245	M / M	DT	6 / 6	951218	Invoice Issue Date
							*	
	Invoice Number	BIG-02	76	M / M	AN	1 / 22	98765	Identifying number assigned by issuer.
							*	
	Purchase Order Date	BIG-03	323	M / O	DT	6 / 6	951211	Date assigned by the purchaser to Purchase Order
							*	
	Purchase Order Number	BIG-04	324	M / O	AN	1 / 22	54321	Identifying number for Purchase Order assigned by the order/purchaser.
							*	
	Release Number	BIG-05	328	NA / O	AN	1 / 30		Not used by Lowe's.
							*	
	Chg. Order Seq. No.	BIG-06	327	NA O	AN	1 / 8		Not used by Lowe's.
							*	
	Invoice Type	BIG-07	640	C / O	ID	2 / 2		Code specifying the type of transaction.

N1*BY**92*0331\

N1	Store or DC Buying Goods			M /			N1	
							*	
	Buying Party	N1-01	98	M / M	ID	2 / 2	BY	Code identifying an organizational entity or a physical location.
							*	
	ID Code Qualifier	N1-03	66	M / C	ID	1 / 2	92	Code designating the system/method of code structure used for Identification Code.(67)
							*	
	ID Code	N1-04	67	M / C	ID	2 / 17	0331	Code identifying a party. (Lowe's store number)

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
ITD*08*3*2*960216*60*960217*61*500****2%60 Net 61\								
ITD	Terms of Sale			M / O			ITD	Max use 1
							*	
	Terms Type Code	ITD-01	336	M / O	ID	2 / 2	08	Code identifying type of payment terms.
							*	
	Terms Basis Date Code	ITD-02	333	M / O	ID	1 / 2	3	Code identifying the beginning of the terms period.
							*	
	Terms Discount %	ITD-03	338	C / O	R	1 / 6	2	Terms discount percentage,expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.
							*	
	Terms Discount Due Date	ITD-04	370	C / C	DT	6 / 6	951216	Date payment is due if discount is to be earned.
							*	
	Terms Discount Days Due	ITD 05	351	C / C	N0	1 / 3	60	Number of days in the terms discount period by which payment is due if terms discount is earned.
							*	
	Terms Net Due Date	ITD-06	446	C / O	DT	6 / 6	960217	Date when total invoice amount becomes due.
							*	
	Terms Net Days Due	ITD-07	386	C / O	N2	1 / 3	61	Number of days until total invoice amount is due (discount not applicable if terms are net only).
							*	
	Terms Discount Amount	ITD-08	362	C / O	AN	2 / 2	125	Total amount of terms discount.
							*	
	Terms DesDef Due Date	ITD-09	388	NA/O	DT	6/6		Not used by Lowe's
							*	
	Deferred Amount Due	ITD-10	389	NA/C	N2	1/10		Not used by Lowe's
							*	
	%Invoice Payable	ITD-11	342	NA/C	R	1/5		Not used by Lowe's
							*	
	Terms Description	ITD-12	352	M / M	ID	1 / 80	2% 60, Net 61	A free-form description to clarify the related data elements and their content.
							*	
	Day of Month	ITD-13	765	NA/C	NO	1 / 2		Not used by Lowe's
							*	
	Payment Method Code	ITD-14	107	NA / O	ID	1 / 1		Not used by Lowe's

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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DTM*008*951211

DTM	Date / Time Reference			M / O	ID	3/3	DTM	
							*	
	Purchase Order Receivd Date Qualifier	DTM-01	374	M / M	ID	3/3	008	Code identifying date as Purchase Order Received date.
							*	
	Purchase Order Receivd Date	DTM-02	373	M / C	DT	6/6	951211	Date Purchase Order Received

DTM*011*951215

DTM	Date / Time Reference			M / O	ID	3/3	DTM	
							*	
	Ship Date Qualifier	DTM-01	374	M / M	ID	3/3	011	Code identifying date as Ship Date.
							*	
	Ship Date	DTM-02	373	M / C	DT	6/6	951211	Ship Date

FOB*PP

FOB	F.O.B. Related Instructions			M / O			FOB	Max use 1
							*	
	Shipment Method of Payment	FOB-01	146	M / M	ID	2 / 2	PP CC PC CF	Prepaid (by Seller) Collect Prepaid but Charged to Customer Collect, Freight Credited Back to Customer

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
IT1*1*25*EA*2.5**CB*12345\								
IT1	Baseline Item Data			M / M			IT1	Max use >1000
							*	
	Assigned Identification	IT1-01	350	O / O	AN	1 / 11	1	Alphanumeric characters assigned for differentiation within a transaction set.
							*	
	Quantity Invoiced	IT1-02	358	M / C	R	1 / 9	25	Quantity Ordered
							*	
	Unit of Basis for Measurement Code	IT1-03	355	M / O	ID	2 / 2	EA BX CA DS DZ EA FT PD RM UN	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.
							*	
	Unit Price	IT1-04	212	M / C	R	1 / 14	2.5	Price per unit of product, service, commodity, etc. (The price is sent with a decimal point only when needed, e.g., \$15.95 would be sent as "15.95", and \$29.00 would be sent as "29".)
	Product/Service ID Qualifier	IT1-06	235	M / O	ID	2 / 2	CB	Buyer's Catalog Number
							*	
	Product/Service ID	IT1-07	234	M / C	AN	1 / 30	12345	Identifying number for product/svc. (Lowe's sku)

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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PID*F**VCR, 6 HD, AP-X6000**

PID	Product/Item Description			O / O			PID	Max use 1000
							*	
	Item Description Type	PID-01	349	M / M	ID	1 / 1	F	Free-form
							*	
	Product/Process Characteristic Code	PID-02	750	NA / O	ID	2 / 3		Not used by Lowe's.
							*	
	Agency Qualifier Code	PID-03	559	NA / C	ID	2 / 2		Not used by the retail industry.
							*	
	Product Description Code	PID-04	751	NA / C	AN	1 / 12		Not used by the retail industry.
							*	
	Description	PID-05	352	M / C	AN	1 / 80	VCR, 6 HD, AP-X6000	A free-form description to clarify the related date elements and their content.

TDS*62.50

TDS	Total Monetary Value Summary			O / O			TDS	Max use 1
							*	
	Total Invoice Amount	TDS-01	361	M / M	N2	1 / 10	5938	Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)
							*	
	Amount subject to Tm Discount	TDS02	390	C / C	N2	1 / 10		Amount uponwhich the terms discount amount is calculated. Use if different from amount in TDS01.
							*	
	Discounted Amount Due	TDS03	391	O / O	N2	1 / 10		Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount.)
							*	
	Terms Discount Amount	TDS04	362	O / O	N2	1/10		Total amount of terms discount.

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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ITA*A***02***312*****New Store Allowance*NAB\

ITA	Allowance,Charge or Service			C /			ITA	Max use ?
	Allowance/Charge Indicator	ITA-01	248	M / M	ID	1/1	A	Code which indicates an allowance or charge for the service specified.
	Association Qual. Code	ITA-02	559	NA / O	ID	2/2		Code identifying the association assigning the code values.
	Special Services Code	ITA-03	560	NA / C	ID	2 / 10		Code identifying the special service.
	Method of Handling Code	ITA-04	331	M / M	ID	2 / 2	02 06 ZZ	Code indicating method of handling for an allowance or charge..
	Allowance orCharge Number	ITA-05	341	NA / 0	AN	1 / 16		The number assigned by a vendor referencing an allowance, promotion, deal or charge.
	Allowance Charge Rate	ITA-06	359	NA / O	R	1 / 9		Allowance or charge rate per unit.
	Allowance or Acharge Total Amount	ITA-07	360	M / O	N2	1 / 9	312	Total dollar amount for the allowance or charge.
	Allowance/Charge % Qualifier	ITA-08	378	NA / O	ID	1 / 1		Code indicating on what basis allowance or charge percent is calculated.
	Allowance or Charge %	ITA-09	332	NA / C	R	1 / 6		Allowance or charge expressed as a percent.
	Allowance/ or Charge Quantity	ITA-10	339	NA / O	R	1 / 10		Quantity basis when allowance or charge quantity is diferent from the purchase order or invoice quantity
	Unit of Measure Code	ITA-11	355	NA / C	ID	2 / 2		Code identifying the basic unit of measure.
	Quantity	ITA-12	380	NA / O	N2	1 / 10		Numeric value of quantity.
	Description	ITA-13	352	M / O	N2	1 / 80	New Store Allowance	A free form description to clairfy the related data elements and their content.
	Special Charge Code	ITA-14	150	M / O	N2	3 / 3	NAB, 400, AAA, DDA, HHB, PPN, SPA, TAX, TTD	Code identifying type of special charge.

Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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CAD**ABCF*ABC FREIGHT LINES**

CAD	Carrier Detal			M / O			CAD	Max use 1
							*	
	Transaction Method Type Code	CAD-01	91	NA / O	ID	1 / 2	1	Code specifying the method or type of transportation for the shipment.
							*	
	Equipment Initial	CAD-02	206	NA / O	AN	1 / 4		Prefix or alphabetic part of an equipment unit's identifying number.
							*	
	Equipment Number	CAD-03	207	NA / O	AN	1 / 10		Sequencing or serial part of an equipment unit's identifying number.
							*	
	SCAC	CAD-04	140	C / C	ID	2 / 4	ABCF	Standard Alpha Carrier Code
							*	
	Routing	CAD-05	387	C / C	AN	1 / 35	ABC Freight Lines	Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.
							*	
	Ship/Order Status Code	CAD-06	368	NA / O	ID	2 / 2		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction.

CTT*1*25

CTT	Transaction Totals			M / M			CTT	Max use 1
							*	
	Number of Line Items	CTT-01	354	M / M	NO	1 / 6	1	The number of IT1 segments in the transaction set.
							*	
	Hash Total	CTT-02	347	M / O	R	1 / 10	25	Sum of values of the specified data element.

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Segment	Field Name	Data Element	Dictionary Reference Number	Usage Lowe's / VICS	Data Type	Field Length Min / Max	Contents	Purpose
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SE*15*1

SE	Transaction Set Trailer			M / M			SE	Max use 1
							*	
	Number of Included Segments	SE-01	96	M / M	N0	1 / 10	15	Total number of segments including 'ST' and 'SE'
							*	
	Transaction Set Control Number	SE-02	329	M / M	AN	4 / 9	1	Transaction audit control number, must be identical to the corresponding transaction header control number.

GE*1*1

GE	Functional Group Trailer			M / M			GE	Max use 1
							*	
	Number of Transaction Sets Included	GS-01	97	M / M	N0	1 / 6	1	Number of 'ST' segments in the functional group.
							*	
	Group Control Number	GS-02	28	M / M	N0	1 / 9	1	Group audit control number, must be identical to the corresponding group header control number.

IEA*1*1

IEA	Interchange Control Trailer			M / M			IEA	Max use 1
							*	
	Number of Included Functional Groups	IEA-01	I16	M / M	N0	1 / 5	1	Number of functional groups included in the interchange. We do not accept transactions of different types in one interchange.
							*	
	Intrchange Control Number	IEA-02	I12	M / M	N0	9 / 9	1	Interchange audit control number, must be identical to the corresponding interchange header control number.

5.7 ANSI X12.2 (810) VERSION/RELEASE 003010

Below are examples of Lowe's ANSI X12 invoices according to the 1990 standards.

ISA*00* *00* *01*SENDER ID*01*006097142*910201*1606*U*00301*000000101*0*T*>\

GS*IN*SENDER ID*006097142 *910201*1606*155*X*003010\

ST*810*6782\

START TRANSACTION SET 810

BIG*970117*9301*961231*73909\

INV. DATE & NO., P.O. DATE & NO

N1*BY**92*0997\

STORE/WAREHOUSE BUYING GOODS

ITD*08*3*1**30**31*1100****1% 30 NET 31

PAYMENT TERMS, 1% 30, NET 31

DTM*011*910205\

SHIP DATE

DTM*008*910126\

P. O. RECEIVED DATE

FOB*PC\

SHIPMENT METHOD OF PAYMENT

ITI*1*420*PK*2.50**CB*40791\

LINE ITEM WITH LOWE'S SKU#

PID*F****ITEM DESCRIPTION, FREE-FORM\

FREE-FORM ITEM DESCRIPTION

TDS*110000\

INVOICE NET AMOUNT DUE

CAD****ABCF*ABC FREIGHT LINES\

CARRIER NUMBER AND NAME

ITA*C***06***5000*****FREIGHT*400\

MEMO: FREIGHT CHARGE

CTT*1\

NUMBER OF LINE ITEMS

SE*14*6782\

END TRANSACTION SET

GE*1*155\

FUNCTIONAL GROUP TRAILER

IEA*1*000000101\

INTERCHANGE TRAILER

5.7 ANSI X12.2 (997) FUNCTIONAL ACKNOWLEDGMENT FOR INVOICE/RELEASE 003010

Below is an example of a Lowe's invoice acknowledgment according to the X12 standards for Release 3010.

ISA*00* *00* *01*006097142*01*RECEIVER DUNS*950201*2012*U*00301*000000101*0*P*>\

GS*FA*006097142*RECEIVER DUNS *950201*2012*1*X*003010\

ST*997*000000002\

START TRANSACTION SET 997

AK1*IN*1\

INTERCHANGE TYPE AND CONTROL NUMBER

AK2*810*000000001\

TRANSACTION SET TYPE AND CONTROL NUMBER

AK5*A\

STATUS OF RECEIVED TRANSACTION

AK9*A*1*1*1\

STATUS OF RECEIVED GROUP

SE*10*000000001\

END TRANSACTION SET

GE*1*1\

FUNCTIONAL GROUP TRAILER

IEA*1*000000001\

INTERCHANGE TRAILER

Please note that the version in the GS08 element will equal the version that we receive in the invoice being acknowledged.