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## **HD Supply Facilities Maintenance**

### **810 Invoice**

Version 4060

This X12 Transaction Set contains the format and establishes the data contents of the Invoice Transaction Set (810) 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 billing for goods and services provided.

## 810 Invoice

Functional Group = IN

### Header

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	100	ST	Transaction Set Header
M	M	1	200	BIG	Beginning Segment for Invoice
M	O	1	400	CUR	Currency
M	O	12	500	REF	Reference Information
M	O	>1	1300	ITD	Terms of Sale/Deferred Terms of Sale

### Detail

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	100	LOOP IT1	Max: 200000 Required
				IT1	Baseline Item Data (Invoice)
				LOOP PID	Max: 1000 Required
M	M	1	600	PID	Product/Item Description

### Summary

USER REQ	REQ DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
M	M	1	100	TDS	Total Monetary Value Summary
				LOOP SAC	Max: 1 Optional
M	M	1	400	SAC	Service, Promotion, Allowance, or Charge Information
				LOOP ISS	Max: 1 Optional
M	M	1	600	ISS	Invoice Shipment Summary
M	O	1	700	CTT	Transaction Totals
M	M	1	800	SE	Transaction Set Trailer

**ST Transaction Set Header****Position:** 100**Loop:****Level:** Header**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use**Purpose:**

To indicate the start of a transaction set and to assign a control number

**Semantics:**

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Example Data:**

ST\*810\*012670001

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	ID	3/3
M	M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN	4/9

## BIG Beginning Segment for Invoice

**Position:** 200**Loop:****Level:** Header**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use**Purpose:**

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

**Semantics:**

1. BIG01 is the invoice issue date.

2. BIG03 is the date assigned by the purchaser to purchase order.

**Example Data:**

BIG\*20200112\*I10-255150\*20200114\*4700010562\*\*CI

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	BIG01	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	DT	8/8
M	M	BIG02	76	Invoice Number Identifying number assigned by issuer	AN	1/22
M	O	BIG03	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	DT	8/8
M	O	BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	AN	1/22
M	O	BIG07	640	Transaction Type Code Code specifying the type of transaction. CI Consolidated Invoice	ID	2/2

## CUR

## CUR Currency

**Position:** 400**Loop:****Level:** Header**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must usePurpose:  
To specify the currency (dollars, pounds, francs, etc.) used in a transactionExample Data:  
CUR\*SE\*USDHDS Comments:  
ISO definition - USD = United States Dollars

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SE Selling Party	ID	2/3
M	M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	ID	3/3

## REF

## REF Reference Information

**Position:** 500**Loop:****Level:** Header**User Req:** Required**Max Use:** 12**Notes:** User Option (Usage):  
Must usePurpose:  
To specify identifying informationExample Data:  
REF\*VR\*34678HDS Comments:  
VR code is the supplier's vendor number associated with the original purchase order being invoiced. It must match the original 850 REF VR Identifier.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification VR Vendor ID Number	ID	2/3
M	O	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	AN	1/50

## ITD Terms of Sale/Deferred Terms of Sale

**Position:** 1300**Loop:****Level:** Header**User Req:** Required**Max Use:** >1**Notes:** User Option (Usage):  
Must usePurpose:  
To specify terms of saleExample Data:  
ITD\*01\*3\*1\*\*60\*\*60 ITD\*05\*3\*\*\*\*\*60HDS Comments:  
ITD03 and ITD05 are only required if your terms need to reflect a discount. HDS does not accept credit memos via EDI at this time

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	ITD01	336	Terms Type Code Code identifying type of payment terms 01 Basic 05 Discount Not Applicable	ID	2/2
M	O	ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 3 Invoice Date	ID	1/2
X	O	ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	R	1/6
X	O	ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	N0	1/3
M	O	ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	N0	1/3

## IT1 Baseline Item Data (Invoice)

**Position:** 100**Loop:** IT1**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use**Purpose:**

To specify the basic and most frequently used line item data for the invoice and related transactions

**Semantics:**

1. IT101 is the line item identification.

**Example Data:**

IT1\*10\*12\*EA\*2453.25\*\*VP\*478678\*SK\*207952

IT1\*20\*5\*EA\*117\*\*VP\*1234567\*SK\*1234567

**HDS Comments:**

1. IT101 is the line item identification and must match the original 850 PO line item number.

2. IT103 should be the same UOM as was received in the 850 PO103.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	IT101	350	Assigned Identification	AN	1/20
				Alphanumeric characters assigned for differentiation within a transaction set		
				NOTE: Must be the same as original 850 line number		
M	O	IT102	358	Quantity Invoiced	R	1/15
				Number of units invoiced (supplier units)		
M	O	IT103	355	Unit or Basis for Measurement Code	ID	2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
				BA Bale		
				BG Bag		
				BO Bottle		
				BX Box		
				CA Case		
				CT Carton		
				DI Dispenser		
				DZ Dozen		
				EA Each		



				FT	Foot		
				IN	Inch		
				KT	Kit		
				PK	Package		
				PR	Pair		
				RL	Roll		
				SF	Square Foot		
				TB	Tube		
				VI	Vial		
M	O	IT104	212	Unit Price		R	1/17
				Price per unit of product, service, commodity, etc.			
M	O	IT106	235	Product/Service ID Qualifier		ID	2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID			
				VP	Vendor's (Seller's) Part Number		
M	O	IT107	234	Product/Service ID		AN	1/48
				Identifying number for a product or service			
M	O	IT108	235	Product/Service ID Qualifier		ID	2/2
				Code identifying the type/source of the descriptive number used in Product/Service ID			
				SK	Stock Keeping Unit (SKU)		
M	O	IT109	234	Product/Service ID		AN	1/48
				Identifying number for a product or service			

## PID Product/Item Description

**Position:** 600**Loop:** PID**Level:** Detail**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must usePurpose:  
To describe a product or process in coded or free-form formatExample Data: P  
ID\*F\*\*\*\*product description

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	PID01	349	Item Description Type	ID	1/1
				Code indicating the format of a description		
				F Free-form		
M	O	PID05	352	Description	AN	1/80
				A free-form description to clarify the related data elements and their content		

**TDS Total Monetary Value Summary****Position:** 100**Loop:****Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use

Purpose:

To specify the total invoice discounts and amounts

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

Example Data:

TDS\*21630

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	TDS01	610	Amount	N2	1/15
				Monetary amount		

SAC

## SAC Service, Promotion, Allowance, or Charge Information

**Position:** 400**Loop:** SAC**Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Used**Purpose:**

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

**Semantics:**

1. SAC05 is the total amount for the service, promotion, allowance, or charge.

**Example Data:**

SAC\*C\*F180\*\*\*50000\*\*\*\*\*02\*\*\*PALLET FEE

SAC\*C\*D200\*\*\*1000\*\*\*\*\*02\*\*\*FREIGHT SAC\*A\*C000\*\*\*15720\*\*\*\*\*02\*\*\*Defective

Allowance SAC\*A\*I170\*\*\*3144\*\*\*\*\*02\*\*\*Trade Discount

SAC\*A\*H080\*\*\*1007\*\*\*\*\*02\*\*\*Freight Reduction

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	SAC01	248	Allowance or Charge Indicator	ID	1/1
				Code which indicates an allowance or charge for the service specified		
				A Allowance		
				C Charge		
M	O	SAC02	1300	Service, Promotion, Allowance, or Charge Code	ID	4/4
				Code identifying the service, promotion, allowance, or charge		
				A010 Absolute Minimum Charge		
				B720 Cooperative Advertising/Merchandising Allowance (Performance)		
				C000 Defective Allowance		
				C040 Delivery		
				C870 Expediting Fee		
				D200 Freight Charges to Destination		
				D500 Handling		
				D900 Installation		
				E750 New Store Discount		
				F155 Packaging		
				F180 Pallet		
				F800 Promotional Allowance		



				H000	Special Allowance		
				H080	Special Freight Supplements		
				H400	Stopcharge		
				H550	Other Direct Costs		
				H700	Tax - Local Tax		
				H750	Tax - Sales Tax (State and Local)		
				H770	Tax - State Tax		
				H790	Tax - Use Tax		
				H850	Tax		
				I170	Trade Discount		
				I530	Volume Discount		
M	O	SAC05	610	Amount		N2	1/15
				Monetary amount			
M	O	SAC12	331	Allowance or Charge Method of Handling Code		ID	2/2
				Allowance or Charge Method of Handling Code			
				02	Off Invoice		
M	O	SAC15	352	Description		AN	1/80
				A free-form description to clarify the related data elements and their content			

## ISS Invoice Shipment Summary

**Position:** 600**Loop:** ISS**Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Used

Purpose:

To specify summary details of total items shipped in terms of quantity, weight, and volume

Example Data:

ISS\*1582\*CT\*421.86\*LB

HDS Comments:

This segment can be used to validate the freight charges as well as receipt of all pieces of a shipment.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	O	ISS01	382	Number of Units Shipped	R	1/10
				Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
M	O	ISS02	355	Unit or Basis for Measurement Code	ID	2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
				EA            Each		
M	O	ISS03	81	Weight	R	1/10
				Numeric value of weight		
M	O	ISS04	355	Unit or Basis for Measurement Code	ID	2/2
				Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
				KG            Kilogram		
				LB            Pound		
				GR            Gram		
				ME            Milligram		
				OZ            Ounce		
				51            Actual Tonnes		

## CTT Transaction Totals

**Position:** 700**Loop:****Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use**Purpose:**

To transmit a hash total for a specific element in the transaction set

**Comments:**

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

2. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

**Example Data:**

CTT\*24\*268

CTT\*2\*4

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	CTT01	354	Number of Line Items	N0	1/6
				Total number of line items in the transaction set		
M	O	CTT02	347	Hash Total	R	1/10
				Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash Total		

SE

## SE Transaction Set Trailer

**Position:** 800**Loop:****Level:** Summary**User Req:** Required**Max Use:** 1**Notes:** User Option (Usage):  
Must use**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)

**Comments:**

1. SE is the last segment of each transaction set.

User Req	Req Des.	Ref. Des.	Data Element	Element Name	Data Type	Min/Max Len.
M	M	SE01	96	Number of Included Segments	N0	1/10
				Total number of segments included in a transaction set including ST and SE segments		
M	M	SE02	329	Transaction Set Control Number	AN	4/9
				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		