SUPERVALU

Electronic Commerce

Electronic
Data
Interchange

810

INVOICE

Version 004010UCS

December 2000

Start-up Procedure for Invoicing:

1. If you are not a current trading partner, contact the Corporate Electronic Commerce Department with the communication codes to be used in the interchange envelope. SUPERVALU communications will be supplied to you at that time.

2. Contact the Corporate Electronic Commerce Department at 952-828-4506 to schedule a date to begin sending test data. Testing and parallel are the same. Your test invoices should emulate your paper documents.

3. The test process will be coordinated by the Corporate Electronic Commerce Department. Watch your acknowledgments for EDI translation error messages and make the necessary corrections.

4. When test data is accurate and complete, a production date will be mutually agreed upon by SUPERVALU and the vendor.

5. In production, invoices will be paid from EDI data only. All paper invoices should be discontinued. Any paper invoices received from a production EDI vendor will be disregarded.

Problem Resolution:

*   EDI translation errors will be reported through the acknowledgment transaction or fax notification. If you do not receive an acknowledgment within 12 hours of the invoice transmission, please contact the Electronic Commerce Helpline at 952-828-4506 to see if the file was received by SUPERVALU.

*   Invoices with errors need to be corrected and resent for payment.

*   Invoice payment status can be retrieved by calling the Central Disbursements Vendor Response System at 952 828-4769 or email central. disbursements@supervalu.com.

810 Invoice

Introduction:

This Draft Standard for Trial Use 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.

Notes:

The ITD Segment must be sent at the Header Level.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
			LOOP ID - N1			200	
Must Use	070	N1	Name	O	1		
Must Use	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - IT1			200000	
Must Use	010	IT1	Baseline Item Data (Invoice)	O	1		
	030	IT3	Additional Item Data	O	5		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		
			LOOP ID - SAC			25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	TDS	Total Monetary Value Summary	M	1		
			LOOP ID - SAC			25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
			LOOP ID - ISS			>1	
	060	ISS	Invoice Shipment Summary	O	1		
M	080	SE	Transaction Set Trailer	M	1		

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 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).
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	ST01	143	**Transaction Set Identifier Code**	M	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			Refer to 004010UCS Data Element Dictionary for acceptable code values.		
M	ST02	329	**Transaction Set Control Number**	M	**AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
			The control number is comprised of the functional group control number (Data Element 28 in the GS segment) followed by a four-digit sequence number. The sequence number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first sequence number will be 0001 and will be incremented by one for each additional transaction set within the group.		

Segment:	**BIG** Beginning Segment for Invoice				

Segment:	**BIG** Beginning Segment for Invoice
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:	
Semantic Notes:	**1** BIG01 is the invoice issue date.
	2 BIG03 is the date assigned by the purchaser to purchase order.
	3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:	**1** BIG07 is used only to further define the type of invoice when needed.
Notes:	The BIG03 & BIG04 fields are required fields for SUPERVALU. They must be transmitted on the invoice.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**BIG01**	**373**	**Date**	**M**	**DT 8/8**
			Date expressed as CCYYMMDD		
			Vendor's Invoice Date.		
M	**BIG02**	**76**	**Invoice Number**	**M**	**AN 1/22**
			Identifying number assigned by issuer		
			Vendor's Invoice Number.		
Must Use	**BIG03**	**373**	**Date**	**O**	**DT 8/8**
			Date expressed as CCYYMMDD		
			SUPERVALU's Purchase Order Date. SUPERVALU required field.		
Must Use	**BIG04**	**324**	**Purchase Order Number**	**O**	**AN 1/22**
			Identifying number for Purchase Order assigned by the buyer/purchaser		
			SUPERVALU's Purchase Order Number. SUPERVALU required field. Using incorrect SUPERVALU purchase order numbers will delay processing of invoice payments.		

Segment:	**N1** Name				

Segment:	**N1** Name
Position:	070
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	The N103 & N104 fields are required fields for SUPERVALU. They must be transmitted on the invoice.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			Include one ship to and one remit to segment.		
			BS Bill and Ship To		
			RE Party to receive commercial invoice remittance		
			ST Ship To		
Rec	N102	93	**Name**	C	AN 1/60
			Free-form name		
			It is recommended this field be sent in case a match is not found on the DUNS number provided.		
Must Use	N103	66	**Identification Code Qualifier**	C	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			SUPERVALU required field.		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
Must Use	N104	67	**Identification Code**	C	AN 2/80
			Code identifying a party or other code		
			SUPERVALU required field. Please use the SUPERVALU DUNS Number List for appropriate DUNS+4 for each ship to location.		

| | | | Segment: | **ITD** Terms of Sale/Deferred Terms of Sale |

Segment: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 130
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:
 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:
 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:
 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes: The ITD03, ITD04, ITD05, ITD08 are required fields for SUPERVALU. They must be transmitted on the invoice.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	ITD03	338	**Terms Discount Percent**	M	R 1/6

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

SUPERVALU required field. If a terms discount does not apply, please send zero. Should be expressed as a whole number (2) or the decimal should be after the whole number (2.0).

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ITD04	370	**Terms Discount Due Date**	C	DT 8/8

Date payment is due if discount is to be earned expressed in format CCYYMMDD

SUPERVALU required field. If applicable, transmit discount due date. If not applicable, fill with date equal to or greater than invoice date.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ITD05	351	**Terms Discount Days Due**	C	N0 1/3

Number of days in the terms discount period by which payment is due if terms discount is earned

SUPERVALU required field. If applicable, transmit discount days due. If not applicable, zero fill.

	Ref. Des.	Data Element	Name	Attributes	
	ITD06	446	**Terms Net Due Date**	O	DT 8/8

Date when total invoice amount becomes due expressed in format CCYYMMDD

Please send net due date.

	Ref. Des.	Data Element	Name	Attributes	
	ITD07	386	**Terms Net Days**	O	N0 1/3

Number of days until total invoice amount is due (discount not applicable)

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ITD08	362	**Terms Discount Amount**	O	N2 1/10

Total amount of terms discount

SUPERVALU required field. Transmit cash discount amount.

Segment:		**IT1** Baseline Item Data (Invoice)			
Position:		010			
Loop:		IT1	Optional (Must Use)		
Level:		Detail			
Usage:		Optional (Must Use)			
Max Use:		1			
Purpose:		To specify the basic and most frequently used line item data for the invoice and related transactions			
Syntax Notes:	1	If any of IT102 IT103 or IT104 is present, then all are required.			
	2	If either IT106 or IT107 is present, then the other is required.			
	3	If either IT108 or IT109 is present, then the other is required.			
	4	If either IT110 or IT111 is present, then the other is required.			
	5	If either IT112 or IT113 is present, then the other is required.			
	6	If either IT114 or IT115 is present, then the other is required.			
	7	If either IT116 or IT117 is present, then the other is required.			
	8	If either IT118 or IT119 is present, then the other is required.			
	9	If either IT120 or IT121 is present, then the other is required.			
	10	If either IT122 or IT123 is present, then the other is required.			
	11	If either IT124 or IT125 is present, then the other is required.			
Semantic Notes:	1	IT101 is the purchase order line item identification.			
Comments:	1	Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.			
	2	IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.			
Notes:		.			

The IT102, IT103, IT104, IT106 and IT107 are required fields or SUPERVALU. They must be transmitted on the invoice.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	IT102	358	**Quantity Invoiced**		O	R 1/10
			Number of units invoiced (supplier units)			
			SUPERVALU required field. The number of units invoiced should be expressed in case quantity. When billing for a quantity other than case, include the number of cases in units shipped (IT301 & IT302). Quantity invoiced should be quantity shipped. Do not send zero quantity.			
Must Use	IT103	355	**Unit or Basis for Measurement Code**		O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			SUPERVALU required field.			
			BA	Bale		
			BG	Bag		
			BX	Box		
			CA	Case		
			DS	Display		
			DZ	Dozen		
			EA	Each		
			HD	Half Dozen		
			LB	Pound		
			PL	Pallet/Unit Load		
			PN	Pounds Net		
Must Use	IT104	212	**Unit Price**		C	R 1/17

Price per unit of product, service, commodity, etc.

SUPERVALU required field. Decimal required.

| **Must Use** | **IT106** | **235** | **Product/Service ID Qualifier** | **C** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

SUPERVALU required field.

| | UA | U.P.C./EAN Case Code (2-5-5) |
| | UD | U.P.C./EAN Consumer Package Code (2-5-5) |

| **Must Use** | **IT107** | **234** | **Product/Service ID** | **C** | **AN 1/48** |

Identifying number for a product or service

SUPERVALU required field. Please send UPC/EAN Case Code (2-5-5).

| | **IT108** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

| | PI | Purchaser's Item Code |

| | **IT109** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

SUPERVALU Item Code. SUPERVALU requires the item code to be a minimum/maximum of seven digits.

Segment:	**IT3** Additional Item Data
Position:	030
Loop:	IT1 Optional (Must Use)
Level:	Detail
Usage:	Optional
Max Use:	5
Purpose:	To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities
Syntax Notes:	1 If either IT301 or IT302 is present, then the other is required.
	2 At least one of IT301 IT303 IT304 or IT305 is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
IT301	**382**	**Number of Units Shipped**	**X R 1/10**

Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

If quantity invoiced in the IT102 and IT103 is not case, the case equivalency must be sent in the IT301 and IT302.

Ref. Des.	Data Element	Name	Attributes
IT302	**355**	**Unit or Basis for Measurement Code**	**X ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

    CA   Case

	Segment:	**PID** Product/Item Description

Position: 060
Loop: PID   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
   1   If PID04 is present, then PID03 is required.
   2   At least one of PID04 or PID05 is required.
   3   If PID07 is present, then PID03 is required.
   4   If PID08 is present, then PID04 is required.
   5   If PID09 is present, then PID05 is required.
Semantic Notes:
   1   Use PID03 to indicate the organization that publishes the code list being referred to.
   2   PID04 should be used for industry-specific product description codes.
   3   PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
   4   PID09 is used to identify the language being used in PID05.
Comments:
   1   If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
   2   Use PID06 when necessary to refer to the product surface or layer being described in the segment.
   3   PID07 specifies the individual code list of the agency specified in PID03.

Data Element Summary

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

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

Position: 180
Loop: SAC   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes: **1**   At least one of SAC02 or SAC03 is required.
                    2   If either SAC03 or SAC04 is present, then the other is required.
                    3   If either SAC06 or SAC07 is present, then the other is required.
                    4   If either SAC09 or SAC10 is present, then the other is required.

Semantic Notes: **1**   If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
                      2   SAC05 is the total amount for the service, promotion, allowance, or charge.
                              If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
                      3   SAC08 is the allowance or charge rate per unit.
                      4   SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
                              SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**SAC01**	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**

Code which indicates an allowance or charge for the service specified

    A   Allowance
    C   Charge

| | **SAC02** | **1300** | **Service, Promotion, Allowance, or Charge Code** | **X** | **ID 4/4** |

Code identifying the service, promotion, allowance, or charge

Vague codes such as F050 should not be used. Please refer to the SUPERVALU listing of accepted allowance and charge codes under separate documentation.

| | **SAC05** | **610** | **Amount** | **O** | **N2 1/15** |

Monetary amount

Amount should always be expressed as a positive. No decimal point is required.

| | **SAC08** | **118** | **Rate** | **O** | **R 1/9** |

Rate expressed in the standard monetary denomination for the currency specified

Amount should always be expressed as a positive . A decimal point is required.

| | **SAC09** | **355** | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
    CA   Case

| | **SAC10** | **380** | **Quantity** | **X** | **R 1/15** |

Numeric value of quantity

Segment:	**TDS** Total Monetary Value Summary		
Position:	010		
Loop:			
Level:	Summary		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To specify the total invoice discounts and amounts		
Syntax Notes:			
Semantic Notes:	**1**	TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).	
	2	TDS02 indicates the amount upon which the terms discount amount is calculated.	
	3	TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).	
	4	TDS04 indicates the total amount of terms discount.	
Comments:	**1**	TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**TDS01**	**610**	**Amount**	**M N2 1/15**
			Monetary amount	
			Do not use a decimal. Do not send a negative number.	

Segment:		SAC	**Service, Promotion, Allowance, or Charge Information**		

Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:
1 At least one of SAC02 or SAC03 is required.
2 If either SAC03 or SAC04 is present, then the other is required.

Semantic Notes:
1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2 SAC05 is the total amount for the service, promotion, allowance, or charge.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

Comments:
1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SAC01	248	**Allowance or Charge Indicator**	M	**ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			A Allowance		
			C Charge		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
	SAC05	610	**Amount**	O	**N2 1/15**
			Monetary amount		
			Amount should always be expressed as a positive. No decimal point is required.		

		Segment:	**ISS** Invoice Shipment Summary

Segment: **ISS** Invoice Shipment Summary

Position: 060

Loop: ISS   Optional

Level: Summary

Usage: Optional

Max Use: 1

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

Syntax Notes:
  1 At least one of ISS01 ISS03 or ISS05 is required.
  2 If either ISS01 or ISS02 is present, then the other is required.
  3 If either ISS03 or ISS04 is present, then the other is required.
  4 If either ISS05 or ISS06 is present, then the other is required.

Semantic Notes:
  1 ISS07 is the quantity of third party pallets.
  2 ISS08 is the gross weight of third party pallets in pounds.

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
ISS01	382	Number of Units Shipped	X	R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set		
ISS02	355	Unit or Basis for Measurement Code	X	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		CA Case		
ISS03	81	Weight	X	R 1/10
		Numeric value of weight		
ISS04	355	Unit or Basis for Measurement Code	X	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		LB Pound		

	Segment:	**SE** Transaction Set Trailer

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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