

# 810 Invoice

Functional Group ID=**IN**

## 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.

## Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
2	005	ST	Transaction Set Header	M	1		
3	015	BIG	Beginning Segment for Invoice	M	1		
4	025	NTE	Note/Special Instruction	F	100		
5	045	REF	Reference Numbers	O	12		
6	235	DTM	Date/Time/Period	O	10		

## Summary:

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7	010	TDS	Total Monetary Value Summary	M	1		
LOOP ID - ITA						10	
8	040	ITA	Allowance, Charge or Service	O	1		
9	070	CTT	Transaction Totals	M	1		n1
10	080	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

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

**Segment:** **ST** Transaction Set Header  
**Position:** 005  
**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) 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**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> <b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	<b>M ID 3/3</b>
>> <b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Sender will assure that the Control Number will be unique within the "GS" segment.	<b>M AN 4/9</b>

**Segment:** **BIG** Beginning Segment for Invoice

**Position:** 015

**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:**

**Comments:** 1 BIG07 is used only to further define the type of invoice when needed.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	BIG01	245	<b>Invoice Date</b> Invoice Issue Date. YYMMDD	M DT 6/6
>>	BIG02	76	<b>Invoice Number</b> Identifying number assigned by issuer This is a composite of the UDC Account Number (10 chars) and the Invoice Date (6 chars, format MMDDYY), for a total of 16 characters, in order to make the number unique.	M AN 1/22

**Segment:** **NTE** Note/Special Instruction  
**Position:** 025  
**Loop:**  
**Level:** Heading:  
**Usage:** Floating  
**Max Use:** 100  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
NTE01	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		OTH Other Instructions	
>> NTE02	3	Free Form Message	M AN 1/60
		Free-form text	
		This informational text is used for ESP bill presentment, and will be printed after the text provided in ITA13.	

**Segment:** **REF** Reference Numbers  
**Position:** 045  
**Loop:**  
**Level:** Heading:  
**Usage:** Optional (Must Use)  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
>> REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. 12 and CR are required by SDG&E. IV is optional	<b>M ID 6/6</b>
		12 Billing Account Account number under which billing is rendered UDC Customer Account Number	
		CR Customer Reference Number ESP DUNS Number	
		IV Seller's Invoice Number ESP's assigned identification number	
>> REF02	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. If REF01 = CR, this will be a 9-character ESP DUNS Number If REF01 = 12, this will be a 10-character UDC Customer Account Number If REF01 = IV, this will be the ESP assigned identification number for their customer, and may be up to 15 characters.	<b>X AN 1/30</b>
REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>X AN 1/80</b>

**Segment:** **DTM** Date/Time/Period  
**Position:** 235  
**Loop:**  
**Level:** Heading:  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 or DTM03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
>> DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time	
		186 Invoice Period Start	
		When the billing period covered by an invoice begins	
		187 Invoice Period End	
		When the billing period covered by an invoice ends	
DTM02	373	Date	X DT 6/6
		Date (YYMMDD)	

**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:**  
**Comments:** 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.  
**Notes:** This segment contains the total ESP bill amount

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> TDS01	361	Total Invoice Amount	M N2 1/10
		Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)	
		Total ESP bill amount	

**Segment:** **ITA** Allowance, Charge or Service  
**Position:** 040  
**Loop:** ITA Optional  
**Level:** Summary:  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify allowances, charges, or services  
**Syntax Notes:** 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.  
 2 If ITA08 is present, then ITA09 is required.  
 3 If ITA10 is present, then ITA11 is required.  
 4 If ITA15 is present, then ITA02 is required.  
**Semantic Notes:** 1 ITA12 is the quantity of free goods.  
**Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.  
 2 ITA02 identifies the source of the code value in ITA03 or ITA15.  
 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.  
 4 ITA13 is used to clarify the allowance, charge, or service.  
 5 ITA15 specifies the individual code list of the agency specified in ITA02.  
 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.  
**Notes:** Will be used by SDG&E for "informational" purposes, to provide text for ESP bill presentment.

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
>> ITA01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified N No Allowance or Charge	M ID 1/1
			Amounts broken out in these ITA segments will be for "informational" purposes only.
>> ITA04	331	<b>Allowance or Charge Method of Handling Code</b> Code indicating method of handling for an allowance or charge 06 Charge to be Paid by Customer	M ID 2/2
ITA07	360	<b>Allowance or Charge Total Amount</b> Total dollar amount for the allowance or charge If no charge amount is included, and this ITA segment is being sent for passing the text only, leave this amount blank.	O N2 1/9
ITA13	352	<b>Description</b> A free-form description to clarify the related data elements and their content SDG&E can handle 65 characters per line. This informational text is used for ESP bill presentment.	X AN 1/80

**Segment:** **CTT** Transaction Totals  
**Position:** 070  
**Loop:**  
**Level:** Summary:  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If CTT03 is present, then CTT04 is required.  
 2 If CTT05 is present, then CTT06 is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>> <u>Des.</u> CTT01	<u>Element</u> 354	<u>Number of Line Items</u> Total number of line items in the transaction set	<u>M</u> <u>N0 1/6</u>

**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**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M NO 1/10</b>
>>	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M AN 4/9</b>