



*Entergy*

# Implementation Guide

Transaction Set

810

Outbound Invoice

Version 4010

# 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>Pos. ID</u>	<u>Seg. Name</u>	<u>Des.</u>	<u>Req. Max.Use</u>	<u>Repeat</u>	<u>Loop Comments</u>	<u>Notes and No.</u>
Must Use	010	ST	Transaction Set Header	M		1	
Must Use	020	BIG	Beginning Segment for Invoice	M		1	
	050	REF	Reference Identification	O		12	
			LOOP ID - N1				200
	070	N1	Name	O		1	
	080	N2	Additional Name Information	O		2	
	090	N3	Address Information	O		2	
	100	N4	Geographic Location	O		1	
	120	PER	Administrative Communications Contact	O		3	
	130	ITD	Terms of Sale/Deferred Terms of Sale	O		>1	
	140	DTM	Date/Time Reference	O		10	
	212	BAL	Balance Detail	O		>1	

## Detail:

	<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>
			LOOP ID - IT1				200000
	010	IT1	Baseline Item Data (Invoice)	O		1	
	059	MEA	Measurements	O		40	
	120	REF	Reference Identification	O		>1	
Must Use	150	DTM	Date/Time Reference	O		10	
			LOOP ID - SLN				1000
	200	SLN	Sub-line Item Detail	O		1	
	230	SAC	Service, Promotion, Allowance, or Charge Information	O		25	

## Summary:

	<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>
Must Use	010	TDS	Total Monetary Value Summary	M		1	
	020	TXI	Tax Information	O		10	
	040	SAC	Service, Promotion, Allowance, or Charge information	O		1	
	070	CTT	Transaction Totals	O		1	N1
Must Use	080	SE	Transaction Set Trailer	M		1	

## Transaction Set Notes

- 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:** 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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
Must Use	ST02	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 The number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first transaction set control number will be 0001 and incremented by one for each additional transaction set within the group. This value must match the value in SE02.	M AN 4/9

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BIG01	373	Date Date expressed as CCYYMMDD Date Billed	M DT 8/8
Must Use	BIG02	76	Invoice Number Identifying number assigned by issuer Assigned by system when invoice is created.	M AN 1/22
	BIG07	640	Transaction Type Code Code specifying the type of transaction This data element is used only when special identification of the invoice is needed, between trading partners, to support business needs. FB Final Bill PR Product (or Service)	O ID 2/2
	BIG08	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original CO Corrected Reissue of an entire invoice. This definition of this code will change for future versions of the UIG guidelines.	O ID 2/2

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Used to provide account number information when the IT1 loop is used to present Account information (u.e.,the IT109 = Account). Trading partners using the meter model (where an IT1 conveys meter charges and usage) should reference the account number information in the Header REF, position 050.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
		11	Account Number Entergy Service Provider-Assigned account number for the end use customer.	
		12	Billing Account Utility assigned Account Number for the end use Customer.	
		45	Old Account Number Utility's previous account number for the end use customer.	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  Entergy's assigned account number.	X AN 1/30

**Segment:** **N1** Name  
**Position:** 070  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**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.

**Entropy Notes:**

- 1 If N101=BT then the Customer's Name will be provided in the N102.  
If N101=MQ then the Customer's Service Location will be provided in the N102  
If N101=8R then the Customer's Service Location will be provided in the N102, and the code 92 will be provided in N103, and the Store # will be provided in N104.

#### Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party 8R Consumer Service Provider (CSP) Customer MQ Metering Location RE Remit-to-Party VN Vendor	<b>M ID 2/3</b>
N102	93	<b>Name</b> Free-form name Customer's "Bill To" Name used in BT loop Customer's "Service Location" used in MQ loop Customer's "Service Location" & Store # used in 8R loop Entergy's Company Name used in RE & VN loop; i.e. Entergy Arkansas Inc., Entergy Louisiana Inc., Entergy Mississippi Inc., Entergy New Orleans Inc., or Entergy Gulf States Inc.	<b>X AN 1/60</b>
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	<b>X ID 1/2</b>
N104	67	<b>Identification Code</b> Code identifying a party or other code Entergy's Trading Partner Identification number used in the BT loop Customer's Store number used in the 8R loop Customer's assigned Vendor Id used in the VN loop	<b>X AN 2/80</b>

**Segment:** N2 Additional Name Information  
**Position:** 080  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Entergy's Notes:** This is only used when the customers store number already exists in the name field.

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	N201	93	Name Free-form	M AN 1/60
	N202	93	Name Free-form	O AN 1/60

**Segment:** N3 Address Information  
**Position:** 090  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Must Use	N301	166	<b>Address Information</b> Address information	M AN 1/55
	N302	166	<b>Address Information</b> Address information	O AN 1/55



**Segment:** **N4 Geographic Location**  
**Position:** 100  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

**Segment:** **PER Administrative Communications Contact**  
**Position:** 120  
**Loop:** N1  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**  
**Comments:**  
**Entergy Notes:**

- 1 Only used when the N1 segment is RE.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named CR Customer Relations Customer service representative	M ID 2/2
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number TE Telephone	X ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable Entergy's Customer Service Number, 1-800-ENTERGY, will be used.	X AN 1/80

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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.

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
IT D01	336	Terms Type Code	O ID 2/2
		05- Discount Not Applicable	
IT D02	222	Terms Basic Date Code	O ID 2/2
		04 Specifed Date	
ITD06	446	Terms Net Due Date	O DT 8/8
		Date when total invoice amount becomes due	
		Date when total invoice amount becomes due in order to avoid late-payment fee.	

**Segment:** **DTM** Date/Time Reference  
**Position:** 140  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

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

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and 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 8/8
			Date expressed as CCYYMMDD	

**Segment:** **BAL** Balance Detail  
**Position:** 212  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify the specific monetary balances associated with a particular account  
**Syntax Notes:**  
**Semantic Notes:**

**Comments: Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
BAL01	951	Balance Type Code Code indicating the type of balance M Current Month	M ID 1/2
BAL02	522	Amount Qualifier Code Code to qualify amount	M ID 1/3
BAL03	782	Monetary Amount Monetary Amount	M R 1/18

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 010  
**Loop:** IT1  
**Level:** Detail  
**Usage:** Optional  
**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.

**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.

- UIG Notes:**
- 1 The typical usage of the IT1 entails including all usage and charges attributed to one meter: in this case the IT1 loop is qualified with "METER" in the IT108/109 pair. In the case where some charges are not attributed to a specific meter, for example, basic customer charge or late payment charge the IT1 loop is qualified with "ACCOUNT" in the IT108/109 pair. An 810 invoice may contain both "METER" and "ACCOUNT" IT1 loops.
  - 2 A Meter IT1 loop can be mapped differently, depending on whether Time-Of-Use (TOU) or straight meter measurement is employed. With a TOU measurement, multiple MEA segments will convey the usage, with the MEA07 in each MEA providing the TOU classification. The IT1 loop for a non-TOU or straight meter measurement will contain a single MEA segment with no MEA07.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
IT101	350 <b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set Line item counter	O AN 1/20
IT106	235 <b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) SV Service Rendered	X ID 2/2
IT107	234 <b>Product/Service ID</b> Identifying number for a product or service ELECTRIC GAS	X AN 1/48
IT108	235 <b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) C3 Classification	X ID 2/2
IT109	234 <b>Product/Service ID</b> Identifying number for a product or service METER UNMET (To designate Unmetered Services)	X AN 1/48
IT110	235 <b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) IT110 and IT111 are used only if IT109 = METER MB Measurement Type Code	X ID 2/2

**IT111**

**234**

**Product/Service ID**

**X AN 1/48**

Identifying number for a product or service

NT Non-TOU Measurement  
TOU Time of Use Measurement

**Segment:** **MEA** Measurements

**Position:** 059

**Loop:** IT1

**Level:** Detail

**Usage:** Optional

**Max Use:** 40

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Syntax Notes:** 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

**UIG Notes:** 1 The MEA segment conveys metering data for one period. The 867 transaction should be used to provide interval meter measurements data.

**Entergy Notes:** 1 Readings are not supplied to calculate measurements for unmetered services. When IT1 loop equals Unmet the MEA segment will not be produced. Unmet will be noted in the REF segment using Reference Identification Qualifier PRT. The SAC segment will supply the description, quantity, and usage.

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code	O ID 2/2
		Code identifying the broad category to which a measurement applies	
		AA Meter reading beginning actual/ending actual	
		AE Meter reading beginning actual/ending estimated	
		BO Meter Reading as Billed	
		Used when billing charges are based on contractual agreements or pre-established usage and not on actual usage	
		CF Conversion Factor	
		EA Meter reading beginning estimated/ending actual	
		EE Meter reading beginning estimated/ending estimated	
MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a measurement applies	
		UG Usage	
		MU Multiplier	
		RUD Usage Deviation	
		ZA Power Factor	
MEA03	739	Measurement Value	X R 1/20
		The value of the measurement	



	<b>MEA04</b>	<b>C001</b>	<b>Composite Unit of Measure</b>	<b>X</b>
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
<b>Must Use</b>	<b>C00101</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CF Cubic Feet	
			EA Each	
			HH Hundred Cubic Feet	
			HJ Horsepower	
			KH Kilowatt Hour (KWH)	
			K1 Kilowatt Demand (KW)	
			K2 Kilovolt Amperes Reactive Demand (KVAR D)	
			K3 Kilovolt Amperes Reactive Hour (KVAR H)	
			K4 Kilovolt Amperes (KVA)	
			K5 Kilovolt Amperes Reactive (KVAR)	
			MO Months	
			UN Unit	
<b>X</b>	<b>C00102</b>	<b>1018</b>	<b>Exponent</b>	<b>O R 1/15</b>
			Power to which a unit is raised	
<b>X</b>	<b>C00103</b>	<b>649</b>	<b>Multiplier</b>	<b>O R 1/10</b>
			Value to be used as a multiplier to obtain a new value	
	<b>MEA05</b>	<b>740</b>	<b>Range Minimum</b>	<b>X R 1/20</b>
			The value specifying the minimum of the measurement range	
			Beginning Reading	
	<b>MEA06</b>	<b>741</b>	<b>Range Maximum</b>	<b>X R 1/20</b>
			The value specifying the maximum of the measurement range	
			Ending reading or single reading (e. g , demand)	
	<b>MEA07</b>	<b>935</b>	<b>Measurement Significance Code</b>	<b>O ID 2/2</b>
			Code used to benchmark, qualify or further define a measurement value	
			TOU Time-of-Use Measurements	
			41 Off Peak KWH/KW	
			42 On Peak KWH/KW	
			51 Total KWH	
			ZZ No Value	

**Segment:** **REF** Reference Identification  
**Position:** 120  
**Loop:** IT1  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Used to provide account number information when the IT1 loop is used to present Account information (u.e.,the IT109 = Account). Trading partners using the meter model (where an IT1 conveys meter charges and usage) should reference the account number information in the Header REF, position 050.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MG Meter Number PRT Product Type Identifies service type without a meter RB Rate Code	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

**Segment:** **DTM** Date/Time/Period  
**Position:** 150  
**Loop:** IT1  
**Level:** Detail  
**Usage:** Required  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** **1** At least one of DTM02, DTM03 or DTM05 is required.  
**2** If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Comments:** 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; decimals seconds are expressed as follows: d= Tenths (0-9) and DD= Hundredths (00-99).

**UIG Notes:** **This segment is required for all services**

**Entergy Notes:** This segment will be a duplicate of the invoice start/end period. However, if the meter captures demand peak date this information will be supplied in the IT1 Meter Loop.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Must Use	DTM01	374	M ID 3/3
		Code specifying type of date or time, or both date and time	
		186 Service Period Start	
		187 Service Period End	
		730 Reporting Cycle Date (This is Demand Peak date)	
	DTM02	373 Date	X DT 8/8
		Date (CCYYMMDD)	

**Segment:** **SLN** Sub-line Item Detail  
**Position:** 200  
**Loop:** SLN  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify product sub-line detail item data  
**Syntax Notes:**  
**Semantic Notes:**

- 1 SLN01 is the identifying number for the sub-line item.
- 2 SLN03 is the configuration code indicating the relationship of the sub-line item to the baseline item.

**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a sub-line number to relate to baseline number 1.

**UIG Notes:** The IT1/SLN segment is used to overcome the limitation on the number of IT1/SAC Loops  
Each SLN loop will contain only one SAC. Multiple charges/allowances require multiple SLN loops.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>M AN 1/20</b>
Must Use	SLN03	662	<b>Relationship Code</b> Code indicating the relationship between entities A Add	<b>M ID 1/1</b>

**Segment:** SAC Service, Promotion, Allowance, or Charge Information  
**Position:** 230  
**Loop:** SAC  
**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. The value of the SAC01 indicator is not to be used to indicate the sign of the amount In SAC05.
- 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.

**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.

**UIG Notes:** Each SLN loop will contain only one SAC. Multiple charges/allowances require multiple SLN loops. Previous editions of this guideline stated that the amount shown in SAC05 will always be positive and that the code used in SAC01 will indicate whether to add or subtract the SAC05 amount to or from the TDS. AS a result of a clarification provided by X12, it has been determined that the above statement is incorrect; future versions of the UIG guidelines will no longer contain the above statement.

#### Data Element Summary

Must Use	Ref. Des.	Data Element	Name	Attributes
	SAC01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2
	SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b> Agency maintained code identifying the service, promotion, allowance, or charge The Utility Industry Group maintains this code list. See the UIG web site at <a href="http://uig.org">http://uig.org</a> or contact a UIG member for implementation details. The most current listing of codes will be available on the web site.	X AN 1/10
	SAC05	610	<b>Amount</b> Monetary amount Previous editions of this guideline stated that this amount will always be positive and the SAC01 will indicate whether to add to or subtract from the TDS. As a result of a clarification provided by X12F, it has been determined	O N2 1/15

that the above statement is incorrect; future versions of the UIG guidelines will no longer contain the above statement. The code used in SAC01 does not indicate the sign of the amount in SAC05. The amount shown in SAC05 may be either positive or negative; if negative, the minus sign, "-", must be transmitted.

**SAC08 118 Rate** **O R 1/9**  
 Rate expressed in the standard monetary denomination for the currency specified

**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

BL	Block (Green Power Renewed Energy)
CF	Cubic Feet
EA	Each
HH	Hundred Cubic Feet
HJ	Horsepower
KH	Kilowatt Hour
K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand (KVAR)
K3	Kilovolt Amperes Reactive Hour (KVARH)
K4	Kilovolt Amperes (KVA)
K5	Kilovolt Amperes Reactive (KVAR)
MO	Months
UN	Unit

**SAC10 380 Quantity** **X R 1/15**  
 Numeric value of quantity

**SAC13 127 Reference Identification** **X AN 1/30**  
 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**SAC15 352 Description** **X AN 1/80**  
 A free-form description to clarify the related data elements and their content

**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).  
**Comments:**  
**UIG Notes:** TDS01 is the total amount due for this invoice and must equal the algebraic sum of the amounts in TX102 and SAC05 segments. If this amount is negative, send the minus sign.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TDS01	610	Amount	M N2 1/15
			Monetary amount	

**Segment:** **TXI Tax Information**  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify tax information  
**Syntax Notes:**

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

**Semantic Notes:**

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

**Entergy Notes:** Taxes included in this position are account/invoice level taxes.

**Data Element Summary**

Must Use	Ref.	Data	Attributes	
	Des.	Element	Name	ID
	<b>TXI01</b>	<b>963</b>	<b>Tax Type Code</b>	<b>M ID 2/2</b>
			Code specifying the type of tax	
			CA City Tax	
			Service Tax imposed by City	
			CP County/Parish Sales Tax	
			CT County Tax	
			LO Local Tax	
			FR Franchise Tax	
			Tax imposed by municipality for the right to provide service	
			Service tax imposed by a municipality	
			OH Other Tax (Special district taxes)	
			ST State Sales Tax	
	<b>TXI02</b>	<b>782</b>	<b>Monetary Amount</b>	<b>X R 1/18</b>
			Monetary amount	
	<b>TXI 03</b>	<b>954</b>	<b>Percent</b>	<b>X/Z R 1/10</b>
			Percent express as decimal	
	<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
			Code identifying exemption status from sales and use tax	
			1 Yes (Tax Exempt)	
			2 No (Not Tax Exempt)	



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

**Position:** 040

**Loop:** SAC

**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.
  - 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. The value of the SAC01 indicator is not to be used to indicate the sign of the amount In SAC05.
  - 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.

- 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.

**UIG Notes:** Each SLN loop will contain only one SAC. Multiple charges/allowances require multiple SLN loops. Previous editions of this guideline stated that the amount shown in SAC05 will always be positive and that the code used in SAC01 will indicate whether to add or subtract the SAC05 amount to or from the TDS. AS a result of a clarification provided by X12, it has been determined that the above statement is incorrect; future versions of the UIG guidelines will no longer contain the above statement.

**Entergy Notes:** When SAC01 at the Summary Level contains 'N' and SAC04 is LPC001, Then 'N' signifies that the fee does not apply unless payment is made after the due date. The amount in SAC05 should be ignored when summing the invoice total.

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SAC01	248	<b>Allowance or Charge Indicator</b> Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	SAC03	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values EU Electric Utilities	X ID 2/2

**SAC04      1301      Agency Service, Promotion, Allowance, or Charge Code      X      AN 1/10**

Agency maintained code identifying the service, promotion, allowance, or charge.

- LPC001      Charges assessed on all unpaid past due balances.
- PAY000      Payment Received
- PRB001      Amount owed from previous months billing.
- DAB001      Deposit
- DAB002      Deposit Interest.
- MSC000      Go to SAC15 for Text Description
- MSC001      Charges/Allowances not covered under any other category.

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

Monetary amount

Previous editions of this guideline stated that this amount will always be positive and the SAC01 will indicate whether to add to or subtract from the TDS. As a result of a clarification provided by X12F, it has been determined that the above statement is incorrect; future versions of the UIG guidelines will no longer contain the above statement. The code used in SAC01 does not indicate the sign of the amount in SAC05. The amount shown in SAC05 may be either positive or negative; if negative, the minus sign, "-", must be transmitted.

**SAC15      352      Description      X      AN 1/80**

A free-form description to clarify the related data elements and their contents

**Segment:** **CTT** Transaction Totals  
**Position:** 070  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			The number of IT1 segments present in the transaction set	

**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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	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	M AN 4/9