Implementation Guide

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.

Heading:

	Pos. ID	Seg. Name	Des.	Req. Max.Use	Repeat	Loop Comments	Notes and No.
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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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

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:		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
Must Use	**ST01**	**143**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			810 Invoice	
Must Use	**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 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.	

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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	BIG01	373	**Date**		M	DT 8/8
			Date expressed as CCYYMMDD			
			Date Billed			
Must Use	BIG02	76	**Invoice Number**		M	AN 1/22
			Identifying number assigned by issuer			
			Assigned by system when invoice is created.			
	BIG07	640	**Transaction Type Code**		O	ID 2/2
			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)		
	BIG08	353	**Transaction Set Purpose Code**		O	ID 2/2
			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.		

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

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.

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Identification**	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Entergy's assigned account number.

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.
Entergy 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**	**Entity Identifier Code**		**M ID 2/3**

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

	Ref. Des.	Data Element	Name		Attributes
	N102	**93**	**Name**		**X AN 1/60**

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.

	Ref. Des.	Data Element	Name		Attributes
	N103	**66**	**Identification Code Qualifier**		**X ID 1/2**

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

	Ref. Des.	Data Element	Name		Attributes
	N104	**67**	**Identification Code**		**X AN 2/80**

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

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

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

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

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

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

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

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

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

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

Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name		Attributes
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

	Ref. Des.	Data Element	Name		Attributes
	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

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

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

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

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

Ref. Des.	Data Element	Name	Attributes
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	

Ref. Des.	Data Element	Name	Attributes
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

Ref. Des.	Data Element	Name	Attributes
MEA03	739	Measurement Value	X R 1/20

The value of the measurement

	MEA04	**C001**	**Composite Unit of Measure**		**X**

To identify a composite unit of measure (See Figures Appendix for examples of use)

Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**

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 (KVARD)
K3	Kilovolt Amperes Reactive Hour (KVARH)
K4	Kilovolt Amperes (KVA)
K5	Kilovolt Amperes Reactive (KVAR)
MO	Months
UN	Unit

X	**C00102**	**1018**	**Exponent**	**O**	**R 1/15**

Power to which a unit is raised

X	**C00103**	**649**	**Multiplier**	**O**	**R 1/10**

Value to be used as a multiplier to obtain a new value

	MEA05	**740**	**Range Minimum**	**X**	**R 1/20**

The value specifying the minimum of the measurement range
Beginning Reading

	MEA06	**741**	**Range Maximum**	**X**	**R 1/20**

The value specifying the maximum of the measurement range
Ending reading or single reading (e. g , demand)

	MEA07	**935**	**Measurement Significance Code**	**O**	**ID 2/2**

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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**

Code qualifying the Reference Identification

MG		Meter Number
PRT		Product Type
		Identifies service type without a meter
RB		Rate Code

REF02	**127**	**Reference Identification**	**X**	**AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF03	**352**	**Description**	**X**	**AN 1/80**

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

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier**	**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

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

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

Segment: $\quad$ **SAC** Service, Promotion, Allowance, or Charge Information
Position: $\quad$ 230
Loop: $\quad$ SAC
Level: $\quad$ Detail
Usage: $\quad$ Optional
Max Use: $\quad$ 1
Purpose: $\quad$ 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 $\quad$ At least one of SAC02 or SAC03 is required.
2 $\quad$ If either SAC03 or SAC04 is present, then the other is required.
3 $\quad$ If either SAC06 or SAC07 is present, then the other is required.
4 $\quad$ If either SAC09 or SAC10 is present, then the other is required.

Semantic Notes:
1 $\quad$ 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 $\quad$ 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 $\quad$ SAC08 is the allowance or charge rate per unit.
4 $\quad$ 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 $\quad$ 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: $\quad$ 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

	Ref. Des.	Data Element	Name		Attributes
Must Use	SAC01	248	**Allowance or Charge Indicator**	**M**	**ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			A $\qquad$ Allowance		
			C $\qquad$ Charge		
			N $\qquad$ No Allowance or Charge		
	SAC03	559	**Agency Qualifier Code**	**X**	**ID 2/2**
			Code identifying the agency assigning the code values		
			EU $\qquad$ Electric Utilities		
	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		
			The Utility Industry Group maintains this code list. See the UIG web site at http://uig.org or contact a UIG member for implementation details. The most current listing of codes will be available on the web site.		
	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.

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 (KVARD)
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

	Ref. Des.	Data Element	Name	Attributes
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

	Ref. Des.	Data Element	Name		Attributes
Must Use	TXI01	963	Tax Type Code	M	ID 2/2

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	

	Ref. Des.	Data Element	Name		Attributes
	TXI02	782	Monetary Amount	X	R 1/18

Monetary amount

	Ref. Des.	Data Element	Name		Attributes
	TXI 03	954	Percent	X/Z	R 1/10

Percent express as decimal

	Ref. Des.	Data Element	Name		Attributes
	TXI06	441	Tax Exempt Code	X	ID 1/1

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	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	
			N No Allowance or Charge	
	SAC03	559	**Agency Qualifier Code**	X ID 2/2
			Code identifying the agency assigning the code values	
			EU Electric Utilities	

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

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

	Ref. Des.	Data Element	Name	Attributes
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

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