810 Usage/Billing Invoice

<div align="right">Functional Group ID=**IN**</div>

Introduction:

This transaction will allow Distribution companies to send usage and billing information for electricity to the suppliers who have enrolled customers.

Notes:

ASSUMPTION: One 810 will be created for all of a Suppliers customers who receive electricity from this Distribution company for a given billing cycle. Each customers account for the specific Supplier defined by the N1 within will create looping at the IT1 segment level.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	100		
Not Used	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	12		
Not Used	055	YNQ	Yes/No Question	O	10		
Not Used	060	PER	Administrative Communications Contact	O	3		
			LOOP ID - N1			1	
Must Use	070	N1	Name - Distribution Company	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
			LOOP ID - N1			1	
Must Use	070	N1	Name - Supplier	O	1		
Not Used	080	N2	Additional Name Information	O	2		
Not Used	090	N3	Address Information	O	2		
Not Used	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	12		
Not Used	120	PER	Administrative Communications Contact	O	3		
Not Used	125	DMG	Demographic Information	O	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference - File Creation Date	O	1		
Not Used	150	FOB	F.O.B. Related Instructions	O	1		
Not Used	160	PID	Product/Item Description	O	200		
Not Used	170	MEA	Measurements	O	40		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	180	PWK	Paperwork	O	25		
Not Used	190	PKG	Marking, Packaging, Loading	O	25		
Not Used	200	L7	Tariff Reference	O	1		
Not Used	212	BAL	Balance Detail	O	>1		
Not Used	213	INC	Installment Information	O	1		
Not Used	214	PAM	Period Amount	O	>1		
			LOOP ID - LM			10	
Not Used	220	LM	Code Source Information	O	1		
Not Used	230	LQ	Industry Code	M	100		
			LOOP ID - N9			1	
Not Used	240	N9	Reference Identification	O	1		
Not Used	250	MSG	Message Text	M	10		
			LOOP ID - V1			>1	
Not Used	260	V1	Vessel Identification	O	1		
Not Used	270	R4	Port or Terminal	O	>1		
Not Used	280	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
Not Used	290	FA1	Type of Financial Accounting Data	O	1		
Not Used	300	FA2	Accounting Data	M	>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		
Not Used	012	CRC	Conditions Indicator	O	1		
Not Used	015	QTY	Quantity	O	5		n1
Not Used	020	CUR	Currency	O	1		
Not Used	030	IT3	Additional Item Data	O	5		
Not Used	040	TXI	Tax Information	O	10		
Not Used	050	CTP	Pricing Information	O	25		
Not Used	055	PAM	Period Amount	O	10		
Must Use	059	MEA	Measurements - Peak/Total kilowatt hour usage	O	1		
	059	MEA	Measurements - Peak kW Demand	O	1		
	059	MEA	Measurements - Peak kva Demand	O	1		
	059	MEA	Measurements - Off Peak kilowatt hour usage	O	1		
	059	MEA	Measurements - Off Peak kW Demand	O	1		
	059	MEA	Measurements - Off Peak kva Demand	O	1		
	059	MEA	Measurements - Shoulder kilowatt hour usage	O	1		
	059	MEA	Measurements - Shoulder kW Demand	O	1		
	059	MEA	Measurements - Shoulder kva Demand	O	1		
	059	MEA	Measurements - Demand value used for Billing	O	1		
	059	MEA	Measurements - Number of Non-metered units	O	1		
			LOOP ID - PID			1000	

Not Used	060	PID	Product/Item Description	O	1
Not Used	070	MEA	Measurements	O	10
Not Used	080	PWK	Paperwork	O	25
Not Used	090	PKG	Marking, Packaging, Loading	O	25
Not Used	100	PO4	Item Physical Details	O	1
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2
Must Use	120	REF	Reference Identification - Supplier account number	O	1
	120	REF	Reference Identification - Supplier Rate Code	O	1
	120	REF	Reference Identification - Type of Service Indicator	O	1
	120	REF	Reference Identification - Service Identifier	O	1
Must Use	120	REF	Reference Identification - Billing Option	O	1
Must Use	120	REF	Reference Identification - Activity Code	O	1
	120	REF	Reference Identification - Supplier Pricing Structure	O	1
	120	REF	Reference Identification - Primary Metering Indicator	O	1
	120	REF	Reference Identification - Billing Cycle	O	1
Not Used	125	YNQ	Yes/No Question	O	10
Not Used	130	PER	Administrative Communications Contact	O	5
Not Used	140	SDQ	Destination Quantity	O	500
Must Use	150	DTM	Date/Time Reference - Current Read Date	O	1
Must Use	150	DTM	Date/Time Reference - Previous Read Date	O	1
	150	DTM	Date/Time Reference - Billing Date	O	1
Not Used	160	CAD	Carrier Detail	O	>1
Not Used	170	L7	Tariff Reference	O	>1
Not Used	175	SR	Requested Service Schedule	O	1
			LOOP ID - SAC		25
	180	SAC	Allowance, or Charge Information - Current Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Peak/Total Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Off-Peak Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Shoulder Amount	O	1
	180	SAC	Allowance, or Charge Information - Current Demand Charges	O	1
	180	SAC	Allowance, or Charge Information - Current Customer Charges	O	1
	180	SAC	Allowance, or Charge Information - Arrears Interest	O	1
	180	SAC	Allowance, or Charge Information - Supplier Arrears	O	1
	180	SAC	Allowance, or Charge Information - Total Amount Due Supplier	O	1
	190	TXI	Tax Information - Current Sales Tax Amount	O	1
			LOOP ID - SLN		1000
Not Used	200	SLN	Subline Item Detail	O	1
Not Used	205	DTM	Date/Time Reference	O	1
Not Used	210	REF	Reference Identification	O	>1
Not Used	220	PID	Product/Item Description	O	1000

	Pos.	Seg.	Name	Req.	Max.Use	Loop	Notes and
Not Used	230	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	235	TC2	Commodity	O	2		
Not Used	237	TXI	Tax Information	O	10		
			LOOP ID - N1			1	
Must Use	240	N1	Name - Customer	O	1		
Not Used	250	N2	Additional Name Information	O	2		
Not Used	260	N3	Address Information	O	2		
Not Used	270	N4	Geographic Location	O	1		
Not Used	280	REF	Reference Identification	O	12		
Not Used	290	PER	Administrative Communications Contact	O	3		
Not Used	295	DMG	Demographic Information	O	1		
			LOOP ID - LM			10	
Not Used	300	LM	Code Source Information	O	1		
Not Used	310	LQ	Industry Code	M	100		
			LOOP ID - V1			>1	
Not Used	320	V1	Vessel Identification	O	1		
Not Used	330	R4	Port or Terminal	O	>1		
Not Used	340	DTM	Date/Time Reference	O	>1		
			LOOP ID - FA1			>1	
Not Used	350	FA1	Type of Financial Accounting Data	O	1		
Not Used	360	FA2	Accounting Data	M	>1		

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		
Not Used	020	TXI	Tax Information	O	10		
Not Used	030	CAD	Carrier Detail	O	1		
Not Used	035	AMT	Monetary Amount	O	>1		
			LOOP ID - SAC			25	
Not Used	040	SAC	Allowance, or Charge Information - Total Supplier Credits	O	1		
Not Used	040	SAC	Allowance, or Charge Information - Total Supplier Debits	O	1		
Not Used	050	TXI	Tax Information	O	10		
			LOOP ID - ISS			>1	
Not Used	060	ISS	Invoice Shipment Summary	O	1		
Not Used	065	PID	Product/Item Description	O	1		
	070	CTT	Transaction Totals	O	1		n2
Must Use	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.

2. 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			

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) 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	
>>	**ST01**	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			810 Invoice		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**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		

	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	
>>	**BIG01**	373	**Date**	M	DT 6/6
			Date (YYMMDD)		
			Date this file is being Transmitted		
>>	**BIG02**	76	**Invoice Number**	M	AN 1/22
			Identifying number assigned by issuer		
			Always '1'		
X	**BIG03**	373	**Date**	O	DT 6/6
			Date (YYMMDD)		
X	**BIG04**	324	**Purchase Order Number**	O	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
X	**BIG05**	328	**Release Number**	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
X	**BIG06**	327	**Change Order Sequence Number**	O	AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
X	**BIG07**	640	**Transaction Type Code**	O	ID 2/2
			Code specifying the type of transaction		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**BIG08**	353	**Transaction Set Purpose Code**	O	ID 2/2
			Code identifying purpose of transaction set		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**BIG09**	306	**Action Code**	O	ID 1/2
			Code indicating type of action		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**BIG10**	76	**Invoice Number**	O	AN 1/22
			Identifying number assigned by issuer		

Segment:		**N1** Name - Distribution Company		

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:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	N101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			8S Consumer Service Provider		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Distribution Company Name		
>>	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 DUNS Number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	N104	67	**Identification Code**	X	AN 2/20
			Code identifying a party or other code		
			Distribution Company DUNS		
X	N105	706	**Entity Relationship Code**	O	ID 2/2
			Code describing entity relationship		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	N106	98	**Entity Identifier Code**	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

	Segment:	**N1** Name - Supplier
	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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	N101	98	**Entity Identifier Code**	M	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			SJ Service Provider		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	N102	93	**Name**	X	**AN 1/60**
			Free-form name		
			Energy Supplier Name		
>>	N103	66	**Identification Code Qualifier**	X	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1 DUNS Number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	N104	67	**Identification Code**	X	**AN 2/20**
			Code identifying a party or other code		
			Supplier DUNS		
X	N105	706	**Entity Relationship Code**	O	**ID 2/2**
			Code describing entity relationship		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	N106	98	**Entity Identifier Code**	O	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment: **DTM** Date/Time Reference - File Creation Date

Position: 140
Loop:
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM06 or DTM07 is present, then the other 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, or both date and time		
			097 Transaction Creation		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
X	DTM03	337	**Time**	X	TM 4/8
			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; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM05	624	**Century**	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			D8 Date Expressed as CCYYMMDD		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	DTM07	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		
			File Creation Date		

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.

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		
X	**IT102**	**358**	**Quantity Invoiced**	**X**	**R 1/10**
			Number of units invoiced (supplier units)		
X	**IT103**	**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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**IT104**	**212**	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
X	**IT105**	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**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)		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**IT107**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
X	**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)		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**IT109**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		

X	**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)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT111**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT112**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT113**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT114**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT115**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT116**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT117**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT118**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT119**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT120**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT121**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT122**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT123**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

X	**IT124**	**235**	**Product/Service ID Qualifier**	X	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	**IT125**	**234**	**Product/Service ID**	X	**AN 1/48**

Identifying number for a product or service

Segment:		**MEA** Measurements - Peak/Total kilowatt hour usage		

Position: 059
Loop: IT1　　Optional (Must Use)
Level: Detail:
Usage: Optional (Must Use)
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Peak/Total kilowatt hour usage		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			KH　　Kilowatt Hour		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
X	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
>>	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
			42 On-Peak		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment:		**MEA** Measurements - Peak kW Demand				

Segment: **MEA** Measurements - Peak kW Demand

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2	
			Code identifying the broad category to which a measurement applies			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3	
			Code identifying a specific product or process characteristic to which a measurement applies			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
>>	MEA03	739	**Measurement Value**	X	R 1/20	
			The value of the measurement			
			Peak kW Demand			
>>	MEA04	C001	**Composite Unit of Measure**	X		
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
>>	C00101	355	**Unit or Basis for Measurement Code**	M	ID 2/2	
			Code specifying the units in which a value is being exp ressed, or manner in which a measurement has been taken			
			K1 Kilowatt Demand			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
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			
X	C00104	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			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	C00105	1018	**Exponent**	O	R 1/15	
			Power to which a unit is raised			
X	C00106	649	**Multiplier**	O	R 1/10	
			Value to be used as a multiplier to obtain a new value			
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
X	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
>>	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment:		**MEA** Measurements - Peak kva Demand		

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	**MEA01**	**737**	**Measurement Reference ID Code**	**O**	**ID 2/2**
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**MEA02**	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**MEA03**	**739**	**Measurement Value**	**X**	**R 1/20**
			The value of the measurement		
			Peak kva Demand		
>>	**MEA04**	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			K2 Kilovolt Amperes Reactive Demand		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	**C00104**	**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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C00105**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
X	**C00106**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		
X	**C00107**	**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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00109	649	**Multiplier**	O	R 1/10

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

X	C00110	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00112	649	**Multiplier**	O	R 1/10

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

X	C00113	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00115	649	**Multiplier**	O	R 1/10

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

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

The value specifying the minimum of the measurement range

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

The value specifying the maximum of the measurement range

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

Code used to benchmark, qualify or further define a measurement value

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value
cannot be determined
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

Refer to 003070UIG Data Element Dictionary for acceptable code values.

| | | | | Segment: | **MEA** Measurements - Off Peak kilowatt hour usage |

Segment: **MEA** Measurements - Off Peak kilowatt hour usage
Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Off Peak kilowatt hour usage		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			KH Kilowatt hours		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00109	649	**Multiplier**	O	R 1/10

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

X	C00110	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00112	649	**Multiplier**	O	R 1/10

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

X	C00113	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00115	649	**Multiplier**	O	R 1/10

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

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

The value specifying the minimum of the measurement range

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

The value specifying the maximum of the measurement range

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

Code used to benchmark, qualify or further define a measurement value

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value
cannot be determined
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

Refer to 003070UIG Data Element Dictionary for acceptable code values.

Segment:		**MEA** Measurements - Off Peak kW Demand		

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Off Peak kW Demand		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			K1 Kilowatt Demand		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

| X | C00108 | 1018 | **Exponent** | O | R 1/15 |
| | | | Power to which a unit is raised | | |

| X | C00109 | 649 | **Multiplier** | O | R 1/10 |
| | | | Value to be used as a multiplier to obtain a new value | | |

X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

| X | C00111 | 1018 | **Exponent** | O | R 1/15 |
| | | | Power to which a unit is raised | | |

| X | C00112 | 649 | **Multiplier** | O | R 1/10 |
| | | | Value to be used as a multiplier to obtain a new value | | |

X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

| X | C00114 | 1018 | **Exponent** | O | R 1/15 |
| | | | Power to which a unit is raised | | |

| X | C00115 | 649 | **Multiplier** | O | R 1/10 |
| | | | Value to be used as a multiplier to obtain a new value | | |

| X | MEA05 | 740 | **Range Minimum** | X | R 1/20 |
| | | | The value specifying the minimum of the measurement range | | |

| X | MEA06 | 741 | **Range Maximum** | X | R 1/20 |
| | | | The value specifying the maximum of the measurement range | | |

| >> | MEA07 | 935 | **Measurement Significance Code** | O | ID 2/2 |
| | | | Code used to benchmark, qualify or further define a measurement value | | |

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment:	**MEA** Measurements - Off Peak kva Demand
Position:	059
Loop:	IT1 Optional (Must Use)
Level:	Detail:
Usage:	Optional
Max Use:	1
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Off Peak kva Demand		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			K2 Kilovolt Amperes Reactive Demand		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
X	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
>>	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment:		**MEA** Measurements - Shoulder kilowatt hour usage		

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

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Data Element Summary

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	Ref. Des.	Data Element	Name	Attributes	
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Shoulder kilowatt hour usage		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			KH Kilowatt hours		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00109	649	**Multiplier**	O	R 1/10

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

X	C00110	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00112	649	**Multiplier**	O	R 1/10

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

X	C00113	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00115	649	**Multiplier**	O	R 1/10

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

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

The value specifying the minimum of the measurement range

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

The value specifying the maximum of the measurement range

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

Code used to benchmark, qualify or further define a measurement value

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value
cannot be determined
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

Refer to 003070UIG Data Element Dictionary for acceptable code values.

Segment:		**MEA** Measurements - Shoulder kW Demand		
Position:		059		
Loop:		IT1 Optional (Must Use)		
Level:		Detail:		
Usage:		Optional		
Max Use:		1		
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.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Shoulder kW Demand		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			K1 Kilowatt Demand		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
X	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
>>	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
			66 Shoulder		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

Segment: # MEA Measurements - Shoulder kva Demand

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
X	MEA01	737	**Measurement Reference ID Code**	O	ID 2/2
			Code identifying the broad category to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA02	738	**Measurement Qualifier**	O	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	MEA03	739	**Measurement Value**	X	R 1/20
			The value of the measurement		
			Shoulder kva Demand		
>>	MEA04	C001	**Composite Unit of Measure**	X	
			To identify a composite unit of measure (See Figures Appendix for examples of 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		
			K2 Kilovolt Amperes Reactive Demand		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	C00104	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00109	649	**Multiplier**	O	R 1/10

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

X	C00110	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00112	649	**Multiplier**	O	R 1/10

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

X	C00113	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00115	649	**Multiplier**	O	R 1/10

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

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

The value specifying the minimum of the measurement range

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

The value specifying the maximum of the measurement range

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

Code used to benchmark, qualify or further define a measurement value

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Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value
cannot be determined
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

Refer to 003070UIG Data Element Dictionary for acceptable code values.

		Segment:	**MEA** Measurements - Demand value used for Billing

Segment: **MEA** Measurements - Demand value used for Billing

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.
Notes: Measurement can be in either kilowatts or kilovolts

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	
			CT Counts	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
>>	MEA02	738	**Measurement Qualifier**	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies	
			CX Calculated Value	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
>>	MEA03	739	**Measurement Value**	X R 1/20
			The value of the measurement	
			Demand value used for Billing	
X	MEA04	C001	**Composite Unit of Measure**	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
X	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	
			K1 Kilowatt Demand	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
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	
X	C00104	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	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
X	C00105	1018	**Exponent**	O R 1/15
			Power to which a unit is raised	
X	C00106	649	**Multiplier**	O R 1/10
			Value to be used as a multiplier to obtain a new value	

X	C00107	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00108	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00109	649	**Multiplier**	O	R 1/10

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

X	C00110	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00111	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00112	649	**Multiplier**	O	R 1/10

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

X	C00113	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
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C00114	1018	**Exponent**	O	R 1/15

Power to which a unit is raised

X	C00115	649	**Multiplier**	O	R 1/10

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

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

The value specifying the minimum of the measurement range

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

The value specifying the maximum of the measurement range

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

Code used to benchmark, qualify or further define a measurement value

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2

Code used to express an attribute response when a numeric measurement value cannot be determined
Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4

The method or device used to record the measurement

Refer to 003070UIG Data Element Dictionary for acceptable code values.

Segment:		**MEA** Measurements - Number of Non-metered units			

Position: 059
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
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.

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		
			CT Counts		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**MEA02**	**738**	**Measurement Qualifier**	**O**	**ID 1/3**
			Code identifying a specific product or process characteristic to which a measurement applies		
			AU Number of Units Projected		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**MEA03**	**739**	**Measurement Value**	**X**	**R 1/20**
			The value of the measurement		
			Number of Non-metered units		
X	**MEA04**	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
X	**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		
			1N Count		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
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		
X	**C00104**	**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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C00105**	**1018**	**Exponent**	**O**	**R 1/15**
			Power to which a unit is raised		
X	**C00106**	**649**	**Multiplier**	**O**	**R 1/10**
			Value to be used as a multiplier to obtain a new value		

X	C00107	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00110	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	C00113	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
X	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
X	MEA05	740	**Range Minimum**	X	R 1/20
			The value specifying the minimum of the measurement range		
X	MEA06	741	**Range Maximum**	X	R 1/20
			The value specifying the maximum of the measurement range		
X	MEA07	935	**Measurement Significance Code**	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA08	936	**Measurement Attribute Code**	X	ID 2/2
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA09	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	MEA10	1373	**Measurement Method or Device**	O	ID 2/4
			The method or device used to record the measurement		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

| | | | Segment: | **REF** Reference Identification - Supplier account number |

Segment: **REF** Reference Identification - Supplier account number

Position: 120
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: **1**   At least one of REF02 or REF03 is required.
           2   If either C04003 or C04004 is present, then the other is required.
           3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1**   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			5B Supplemental Account number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Supplier Customer Account Number		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:		**REF** Reference Identification - Supplier Rate Code		

Position:	120
Loop:	IT1 Optional (Must Use)
Level:	Detail:
Usage:	Optional
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			RB Rate Code Number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Supplier Rate Code		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

	Segment:	**REF** Reference Identification - Type of Service Indicator

Segment: **REF** Reference Identification - Type of Service Indicator
Position: 120
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
　　　　　　　　　2   If either C04003 or C04004 is present, then the other is required.
　　　　　　　　　3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		

PRT   Product Type

Refer to 003070UIG Data Element Dictionary for acceptable code values.

	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

Type of Service Indicator
　　C = Combined Service
　　D = Metered Service Demand & kWH
　　E = Metered Service kWH
　　H = Controlled Hot Water
　　L = Lighting Service
　　N = Non-Metered Service
　　T = Metered Service TOU
　　A = Apply to All Services

X	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
X	REF04	C040	**Reference Identifier**	O	

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

X	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04005	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		

Refer to 003070UIG Data Element Dictionary for acceptable code values.

X	C04006	127	**Reference Identification**	X	AN 1/30

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

		Segment:	**REF** Reference Identification - Service Identifier

Position: 120
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:
   1   At least one of REF02 or REF03 is required.
   2   If either C04003 or C04004 is present, then the other is required.
   3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
   1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			MG Meter Number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Service Identifier		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **REF** Reference Identification - Billing Option

Position:	120
Loop:	IT1 Optional (Must Use)
Level:	Detail:
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			BLT Billing Type		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**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		
			Billing option		
			C = Complete		
			P = Passthrough		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:		**REF** Reference Identification - Activity Code			
Position:		120			
Loop:		IT1 Optional (Must Use)			
Level:		Detail:			
Usage:		Optional (Must Use)			
Max Use:		1			
Purpose:		To specify identifying information			
Syntax Notes:		1 At least one of REF02 or REF03 is required.			
		2 If either C04003 or C04004 is present, then the other is required.			
		3 If either C04005 or C04006 is present, then the other is required.			
Semantic Notes:		1 REF04 contains data relating to the value cited in REF02.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			BE Business Activity		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	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		
			Activity Code		
			0 = Normal On cycle Bill		
			1 = Cancellation		
			2 = Manual Bill		
			3 = Final Bill		
			4 = Off-cycle Bill		
			5 = No Bill		
			6 = Estimated On-cycle Bill		
			7 = Estimated Off-cycle Bill		
			8 = Late Read/Late Booked		
X	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
X	REF04	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04005	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

| X | C04006 | 127 | **Reference Identification** | X | AN 1/30 |

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

Segment: **REF** Reference Identification - Supplier Pricing Structure

Position: 120
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: **1**   At least one of REF02 or REF03 is required.
          2   If either C04003 or C04004 is present, then the other is required.
          3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1**   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			PR Price Quote Number		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Supplier Pricing Structure Number		
X	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
X	REF04	C040	**Reference Identifier**	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	C04001	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C04002	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04003	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C04004	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	C04005	128	**Reference Identification Qualifier**	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	C04006	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

| | | | Segment: | **REF** Reference Identification - Primary Metering Indicator |

Segment: **REF** Reference Identification - Primary Metering Indicator

Position:	120
Loop:	IT1 Optional (Must Use)
Level:	Detail:
Usage:	Optional
Max Use:	1
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			QY Service Performed Code		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Primary Metering Indicator		
			Y = Primary Metering		
			N = No Primary Metering		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

| | | | Segment: | **REF** Reference Identification - Billing Cycle |

Segment: **REF** Reference Identification - Billing Cycle

Position: 120
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: **1**   At least one of REF02 or REF03 is required.
                 2   If either C04003 or C04004 is present, then the other is required.
                 3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1**   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
>>	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			BF Billing Center Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	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		
			Billing Cycle Number		
X	**REF03**	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	**REF04**	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
X	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04003**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04004**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
X	**C04005**	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**C04006**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment:	**DTM** Date/Time Reference - **Current Read Date**			
Position:	150			
Loop:	IT1 Optional (Must Use)			
Level:	Detail:			
Usage:	Optional (Must Use)			
Max Use:	1			
Purpose:	To specify pertinent dates and times			
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM06 is required.		
	2	If DTM04 is present, then DTM03 is required.		
	3	If either DTM06 or DTM07 is present, then the other 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, or both date and time		
			723 Current Month Ending		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
X	DTM03	337	**Time**	X	TM 4/8
			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; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM05	624	**Century**	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
>>	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			D8 Date Expressed as CCYYMMDD		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	DTM07	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		
			Current read date		

Segment:		**DTM** Date/Time Reference - Previous Read Date			

Position: 150
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
  1   At least one of DTM02 DTM03 or DTM06 is required.
  2   If DTM04 is present, then DTM03 is required.
  3   If either DTM06 or DTM07 is present, then the other 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, or both date and time		
			724 Previous Month Ending		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
X	DTM03	337	**Time**	X	TM 4/8
			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; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM05	624	**Century**	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
>>	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			D8 Date Expressed as CCYYMMDD		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	DTM07	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		
			Previous read date		

			Segment:	**DTM** Date/Time Reference - Billing Date

Segment: **DTM** Date/Time Reference - Billing Date

Position: 150
Loop: IT1   Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: **1**   At least one of DTM02 DTM03 or DTM06 is required.
           2   If DTM04 is present, then DTM03 is required.
           3   If either DTM06 or DTM07 is present, then the other 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, or both date and time		
			964 Bill		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM02	373	**Date**	X	DT 6/6
			Date (YYMMDD)		
X	DTM03	337	**Time**	X	TM 4/8
			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; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	DTM04	623	**Time Code**	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	DTM05	624	**Century**	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		
>>	DTM06	1250	**Date Time Period Format Qualifier**	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			D8 Date expressed as CCYYMMDD		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	DTM07	1251	**Date Time Period**	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		
			Billing Date		

Segment:	**SAC** Allowance, or Charge Information - Current Amount	
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.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
	8	If SAC16 is present, then SAC15 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.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7	SAC16 is used to identify the language being used in SAC15.
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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes:	Summary value of any and all of the following that are applicable to this account. SAC for Current Peak Amount SAC for Current Off-Peak Amount SAC for Current Shoulder Amount SAC for Current Demand Charges SAC for Current Customer Charges SAC for Current Sales Tax Amount

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			C Charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
	SAC03	559	**Agency Qualifier Code**	X ID 2/2

Code identifying the agency assigning the code values

| | | | EU | Electric Utilities |

Refer to 003070UIG Data Element Dictionary for acceptable code values.

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

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

| | | | ENC | Energy Charges |

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

Monetary amount

Current Amount

Total of Current PEAK, OFF-PEAK, SHOULDER, DEMAND, CUSTOMER, SALES TAX Charges.

| X | SAC06 | 378 | **Allowance/Charge Percent Qualifier** | **X** | **ID 1/1** |

Code indicating on what basis allowance or charge percent is calculated

Refer to 003070UIG Data Element Dictionary for acceptable code values.

| X | SAC07 | 332 | **Percent** | **X** | **R 1/6** |

Percent expressed as a percent

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

Rate expressed in the standard monetary denomination for the currency specified

| X | 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

Refer to 003070UIG Data Element Dictionary for acceptable code values.

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

Numeric value of quantity

| X | SAC11 | 380 | **Quantity** | **O** | **R 1/15** |

Numeric value of quantity

| X | SAC12 | 331 | **Allowance or Charge Method of Handling Code** | **O** | **ID 2/2** |

Code indicating method of handling for an allowance or charge

Refer to 003070UIG Data Element Dictionary for acceptable code values.

| X | 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

| X | SAC14 | 770 | **Option Number** | **O** | **AN 1/20** |

A unique number identifying available promotion or allowance options when more than one is offered

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

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

| X | SAC16 | 819 | **Language Code** | **O** | **ID 2/3** |

Code designating the language u sed in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:		**SAC** Allowance, or Charge Information - Current Peak/Total Amount	
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.	
	5	If SAC11 is present, then SAC10 is required.	
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.	
	7	If SAC14 is present, then SAC13 is required.	
	8	If SAC16 is present, then SAC15 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.	
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.	
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.	
	7	SAC16 is used to identify the language being used in SAC15.	
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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.	
Notes:	Reflects the current amount for non time of use accounts.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	SAC01	248	**Allowance or Charge Indicator**	**M ID 1/1**
			Code which indicates an allowance or charge for the service specified	
			N No Allowance or Charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	**X ID 4/4**
			Code identifying the service, promotion, allowance, or charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
	SAC03	559	**Agency Qualifier Code**	**X ID 2/2**
			Code identifying the agency assigning the code values	
			EU Electric Utilities	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge	

			CPA	Current Peak Amount		
>>	SAC05	610	**Amount**		O	**N2 1/15**
			Monetary amount			
			Current Peak/Total Amount			
X	SAC06	378	**Allowance/Charge Percent Qualifier**		X	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	SAC07	332	**Percent**		X	**R 1/6**
			Percent expressed as a percent			
X	SAC08	118	**Rate**		O	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified			
X	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			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	SAC10	380	**Quantity**		X	**R 1/15**
			Numeric value of quantity			
X	SAC11	380	**Quantity**		O	**R 1/15**
			Numeric value of quantity			
X	SAC12	331	**Allowance or Charge Method of Handling Code**		O	**ID 2/2**
			Code indicating method of handling for an allowance or charge			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	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			
X	SAC14	770	**Option Number**		O	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered			
X	SAC15	352	**Description**		X	**AN 1/80**
			A free-form description to clarify the related data elements and their content			
X	SAC16	819	**Language Code**		O	**ID 2/3**
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)			

Segment:	**SAC** Allowance, or Charge Information - Current Off-Peak Amount			

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.
  5 If SAC11 is present, then SAC10 is required.
  6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
  7 If SAC14 is present, then SAC13 is required.
  8 If SAC16 is present, then SAC15 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.
  5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
  6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
  7 SAC16 is used to identify the language being used in SAC15.
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 a "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
>>	SAC01	248	**Allowance or Charge Indicator**	M	**ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			N No Allowance or Charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	SAC03	559	**Agency Qualifier Code**	X	**ID 2/2**
			Code identifying the agency assigning the code values		
			EU Electric Utilities		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		

			COA Current Off-peak Amount		
>>	SAC05	610	**Amount** Monetary amount	O	**N2 1/15**
			Current Off Peak Amount		
X	SAC06	378	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 1/1**
X	SAC07	332	**Percent** Percent expressed as a percent	X	**R 1/6**
X	SAC08	118	**Rate** Rate expressed in the standard monetary denomination for the currency specified	O	**R 1/9**
X	SAC09	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 2/2**
X	SAC10	380	**Quantity** Numeric value of quantity	X	**R 1/15**
X	SAC11	380	**Quantity** Numeric value of quantity	O	**R 1/15**
X	SAC12	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge Refer to 003070UIG Data Element Dictionary for acceptable code values.	O	**ID 2/2**
X	SAC13	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	**AN 1/30**
X	SAC14	770	**Option Number** A unique number identifying available promotion or allowance options when more than one is offered	O	**AN 1/20**
X	SAC15	352	**Description** A free-form description to clarify the related data elements and their content	X	**AN 1/80**
X	SAC16	819	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	**ID 2/3**

Segment:		**SAC** Allowance, or Charge Information - Current Shoulder Amount			
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.
5. If SAC11 is present, then SAC10 is required.
6. If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. If SAC14 is present, then SAC13 is required.
8. If SAC16 is present, then SAC15 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.
5. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7. SAC16 is used to identify the language being used in SAC15.

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 a "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	
>>	SAC01	248	**Allowance or Charge Indicator**	**M**	**ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			N No Allowance or Charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	SAC03	559	**Agency Qualifier Code**	**X**	**ID 2/2**
			Code identifying the agency assigning the code values		
			EU Electric Utilities		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		

			CSA Current Shoulder Amount		
>>	SAC05	610	**Amount**	O	N2 1/15
			Monetary amount		
			Current Shoulder Amount		
X	SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC07	332	**Percent**	X	R 1/6
			Percent expressed as a percent		
X	SAC08	118	**Rate**	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
X	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC10	380	**Quantity**	X	R 1/15
			Numeric value of quantity		
X	SAC11	380	**Quantity**	O	R 1/15
			Numeric value of quantity		
X	SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID 2/2
			Code indicating method of handling for an allowance or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	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		
X	SAC14	770	**Option Number**	O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered		
X	SAC15	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
X	SAC16	819	**Language Code**	O	ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)		

Segment:	SAC Allowance, or Charge Information - Current Demand Charges
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.
	5 If SAC11 is present, then SAC10 is required.
	6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7 If SAC14 is present, then SAC13 is required.
	8 If SAC16 is present, then SAC15 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.
	5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
	7 SAC16 is used to identify the language being used in SAC15.
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 a "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
>>	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			N No Allowance or Charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	SAC03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			EU Electric Utilities		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		

			DMD Current Demand Charges		
>>	SAC05	610	**Amount** Monetary amount	O	**N2 1/15**
			Current Demand Charges		
X	SAC06	378	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 1/1**
X	SAC07	332	**Percent** Percent expressed as a percent	X	**R 1/6**
X	SAC08	118	**Rate** Rate expressed in the standard monetary denomination for the currency specified	O	**R 1/9**
X	SAC09	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 2/2**
X	SAC10	380	**Quantity** Numeric value of quantity	X	**R 1/15**
X	SAC11	380	**Quantity** Numeric value of quantity	O	**R 1/15**
X	SAC12	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge Refer to 003070UIG Data Element Dictionary for acceptable code values.	O	**ID 2/2**
X	SAC13	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	**AN 1/30**
X	SAC14	770	**Option Number** A unique number identifying available promotion or allowance options when more than one is offered	O	**AN 1/20**
X	SAC15	352	**Description** A free-form description to clarify the related data elements and their content	X	**AN 1/80**
X	SAC16	819	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	**ID 2/3**

Segment:		**SAC** Allowance, or Charge Information - Current Customer Charges		

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.
    5   If SAC11 is present, then SAC10 is required.
    6   If SAC13 is present, then at least one of SAC02 or SAC04 is required.
    7   If SAC14 is present, then SAC13 is required.
    8   If SAC16 is present, then SAC15 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.
    5   SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
    6   SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
    7   SAC16 is used to identify the language being used in SAC15.

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 a "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
>>	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1

Code which indicates an allowance or charge for the service specified

N	No Allowance or Charge

Refer to 003070UIG Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4

Code identifying the service, promotion, allowance, or charge

Refer to 003070UIG Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes
	SAC03	559	**Agency Qualifier Code**	X	ID 2/2

Code identifying the agency assigning the code values

EU	Electric Utilities

Refer to 003070UIG Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name		Attributes
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10

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

			BAS	Basic Customer Administrative Charges		
>>	SAC05	610	**Amount**		O	**N2 1/15**
			Monetary amount			
			Current Customer Charges			
X	SAC06	378	**Allowance/Charge Percent Qualifier**		X	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	SAC07	332	**Percent**		X	**R 1/6**
			Percent expressed as a percent			
X	SAC08	118	**Rate**		O	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified			
X	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			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	SAC10	380	**Quantity**		X	**R 1/15**
			Numeric value of quantity			
X	SAC11	380	**Quantity**		O	**R 1/15**
			Numeric value of quantity			
X	SAC12	331	**Allowance or Charge Method of Handling Code**		O	**ID 2/2**
			Code indicating method of handling for an allowance or charge			
			Refer to 003070UIG Data Element Dictionary for acceptable code values.			
X	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			
X	SAC14	770	**Option Number**		O	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered			
X	SAC15	352	**Description**		X	**AN 1/80**
			A free-form description to clarify the related data elements and their content			
X	SAC16	819	**Language Code**		O	**ID 2/3**
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)			

Segment:		**SAC** Allowance, or Charge Information - Arrears Interest	
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.	
	5	If SAC11 is present, then SAC10 is required.	
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.	
	7	If SAC14 is present, then SAC13 is required.	
	8	If SAC16 is present, then SAC15 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.	
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.	
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.	
	7	SAC16 is used to identify the language being used in SAC15.	
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 a "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
>>	**SAC01**	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**
			Code which indicates an allowance or charge for the service specified		
			C Charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	**SAC02**	**1300**	**Service, Promotion, Allowance, or Charge Code**	**X**	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
			I132 Total Invoice Amount		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	SAC03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**
			Code identifying the agency assigning the code values		
			EU Electric Utilities		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	**SAC04**	**1301**	**Agency Service, Promotion, Allowance, or Charge Code**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or		

charge

			INT Interest		
>>	SAC05	610	**Amount** Monetary amount	O	N2 1/15
			Arrears interest		
X	SAC06	378	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	ID 1/1
X	SAC07	332	**Percent** Percent expressed as a percent	X	R 1/6
X	SAC08	118	**Rate** Rate expressed in the standard monetary denomination for the currency specified	O	R 1/9
X	SAC09	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	ID 2/2
X	SAC10	380	**Quantity** Numeric value of quantity	X	R 1/15
X	SAC11	380	**Quantity** Numeric value of quantity	O	R 1/15
X	SAC12	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge Refer to 003070UIG Data Element Dictionary for acceptable code values.	O	ID 2/2
X	SAC13	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
X	SAC14	770	**Option Number** A unique number identifying available promotion or allowance options when more than one is offered	O	AN 1/20
X	SAC15	352	**Description** A free-form description to clarify the related data elements and their content	X	AN 1/80
X	SAC16	819	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	ID 2/3

	Segment:	**SAC** Allowance, or Charge Information - Supplier Arrears

Segment: SAC Allowance, or Charge Information - Supplier Arrears
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.
5 If SAC11 is present, then SAC10 is required.
6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7 If SAC14 is present, then SAC13 is required.
8 If SAC16 is present, then SAC15 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.
5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
7 SAC16 is used to identify the language being used in SAC15.
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 a "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	
>>	SAC01	248	**Allowance or Charge Indicator**	M	ID 1/1
			Code which indicates an allowance or charge for the service specified		
			C Charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID 4/4
			Code identifying the service, promotion, allowance, or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
	SAC03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			EU Electric Utilities		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		

			PRB Past Due Balance		
>>	SAC05	610	**Amount** Monetary amount	O	**N2 1/15**
			Supplier Arrears Amount		
X	SAC06	378	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 1/1**
X	SAC07	332	**Percent** Percent expressed as a percent	X	**R 1/6**
X	SAC08	118	**Rate** Rate expressed in the standard monetary denomination for the currency specified	O	**R 1/9**
X	SAC09	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003070UIG Data Element Dictionary for acceptable code values.	X	**ID 2/2**
X	SAC10	380	**Quantity** Numeric value of quantity	X	**R 1/15**
X	SAC11	380	**Quantity** Numeric value of quantity	O	**R 1/15**
X	SAC12	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge Refer to 003070UIG Data Element Dictionary for acceptable code values.	O	**ID 2/2**
X	SAC13	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	**AN 1/30**
X	SAC14	770	**Option Number** A unique number identifying available promotion or allowance options when more than one is offered	O	**AN 1/20**
X	SAC15	352	**Description** A free-form description to clarify the related data elements and their content	X	**AN 1/80**
X	SAC16	819	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	**ID 2/3**

Segment:	**SAC** Allowance, or Charge Information - Total Amount Due Supplier		
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.	
	5	If SAC11 is present, then SAC10 is required.	
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.	
	7	If SAC14 is present, then SAC13 is required.	
	8	If SAC16 is present, then SAC15 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.	
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.	
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.	
	7	SAC16 is used to identify the language being used in SAC15.	
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 a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.	
Notes:	Appears on last record for Multiple meter accounts and reflects the amounts totaled from the SAC for Current Amount, Arrears Interest and Supplier Arrears Amount.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	SAC01	248	**Allowance or Charge Indicator**	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			N No Allowance or Charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
X	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X ID 4/4
			Code identifying the service, promotion, allowance, or charge	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
	SAC03	559	**Agency Qualifier Code**	X ID 2/2
			Code identifying the agency assigning the code values	
			AS Assigned by Seller	
			Refer to 003070UIG Data Element Dictionary for acceptable code values.	
>>	SAC04	1301	**Agency Service, Promotion, Allowance, or Charge Code**	X AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or	

charge

			TOT	Total Due		

>>	SAC05	610	**Amount**		O	**N2 1/15**
			Monetary amount			

Total Amount Due Supplier

This figure represents the SUPPLIER ARREARS, ARREARS AMOUNT and CURRENT AMOUNT added together.

X	SAC06	378	**Allowance/Charge Percent Qualifier**	X	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC07	332	**Percent**	X	**R 1/6**
			Percent expressed as a percent		
X	SAC08	118	**Rate**	O	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified		
X	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	SAC10	380	**Quantity**	X	**R 1/15**
			Numeric value of quantity		
X	SAC11	380	**Quantity**	O	**R 1/15**
			Numeric value of quantity		
X	SAC12	331	**Allowance or Charge Method of Handling Code**	O	**ID 2/2**
			Code indicating method of handling for an allowance or charge		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	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		
X	SAC14	770	**Option Number**	O	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered		
X	SAC15	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
X	SAC16	819	**Language Code**	O	**ID 2/3**
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)		

	Segment:	**TXI** Tax Information - Current Sales Tax Amount
	Position:	190
	Loop:	SAC Optional
	Level:	Detail:
	Usage:	Optional
	Max Use:	1
	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.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	TXI01	963	**Tax Type Code**	M	ID 2/2
			Code specifying the type of tax		
			SU Sales and Use Tax		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	TXI02	782	**Monetary Amount**	X	R 1/15
			Monetary amount		
			Current Sales Tax Amount		
X	TXI03	954	**Percent**	X	R 1/10
			Percentage expressed as a decimal		
X	TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID 2/2
			Code identifying the source of the data used in tax jurisdiction code		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	TXI05	956	**Tax Jurisdiction Code**	X	AN 1/10
			Code identifying the taxing jurisdiction		
X	TXI06	441	**Tax Exempt Code**	X	ID 1/1
			Code identifying exemption status from sales and use tax		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	TXI07	662	**Relationship Code**	O	ID 1/1
			Code indicating the relationship between entities		
			I Included		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	TXI08	828	**Dollar Basis For Percent**	O	R 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax		
X	TXI09	325	**Tax Identification Number**	O	AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		
X	TXI10	350	**Assigned Identification**	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		

	Segment:		**N1** Name - Customer		

Segment: **N1** Name - Customer
Position: 240
Loop: N1 Optional (Must Use)
Level: Detail:
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	N101	98	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			8R Consumer Service Provider (CSP) Customer		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	N102	93	**Name**	**X**	**AN 1/60**
			Free-form name		
>>	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			97 Receivers Code		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
>>	N104	67	**Identification Code**	**X**	**AN 2/20**
			Code identifying a party or other code		
			Distribution Company Account Number		
X	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	N106	98	**Entity Identifier Code**	**O**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		

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
>>	TDS01	610	**Amount**	M	N2 1/15
			Monetary amount		
			File Total Amount Due Supplier		
X	TDS02	610	**Amount**	O	N2 1/15
			Monetary amount		
X	TDS03	610	**Amount**	O	N2 1/15
			Monetary amount		
X	TDS04	610	**Amount**	O	N2 1/15
			Monetary amount		

	Segment:	**CTT** Transaction Totals

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: 1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
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	
>>	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
			Accumulated total of detail records created		
X	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
			Example:		
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
X	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
X	CTT04	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
X	CTT06	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		
			Refer to 003070UIG Data Element Dictionary for acceptable code values.		
X	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

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	
>>	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
>>	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		