

Segment: SAC Service, Promotion, Allowance, or Charge Information (Charges/Adjustments)

- Position:** 230
Loop: SLN Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
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 as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
- Notes:** Required to transmit charge data other than tax information.

The SAC segment is used to describe a specific charge/allowance item.

SAC~C~~GU~TPI002~601~~~~~3~~Basic Service: 22 days@ \$.2733

SAC~C~~EU~BUD001~4000~~~~~1

SAC~N~~EU~BAS001~601~~~.2733~DA~22

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Mand.	SAC01	248	Allowance or Charge Indicator	M ID 1/1
		C	Charge	
		N	No Allowance or Charge	
			The amount sent in the SAC05 element is ignored when summing the invoice total in the TDS01 element.	
Mand.	SAC03	559	Agency Qualifier Code	X ID 2/2
		EU	Electric Utilities	
		GU	Natural Gas Utilities	

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Mand.	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			<p>The SAC04 codes are sent to categorize the charge amounts sent in the SAC05. In addition, these codes are also used to communicate to the utility the text description that should be displayed for each SAC05 amount that will appear on the E/MESCO portion of the consolidated bill. For bill presentation purposes, these codes may be used in one of two ways. The standard text associated with each SAC04 code may be displayed on the customer's bill, for example when code BAS001 is sent, the text description "Customer Charge" would be displayed on the customer's bill. Alternatively, a utility may permit the E/MESCO to designate the text description they would like to associate with each SAC04 code they intend to send. That non-standard text would be displayed on their customer's bills in lieu of the standard SAC04 text. For example, an E/MESCO may request that the text "Monthly Customer Charge" be displayed on the bill when they send code BAS001. In addition, E/MESCO's may designate specific non-standardized text to be displayed on the customer's bill by sending code TPI002 in SAC04 and sending the actual text in SAC15. The billing party will designate which SAC04 codes, from those shown below, may be used in their service territory as well as the maximum number of SAC05 amounts that may be sent in a single 810 transaction. The Billing Service Agreement must document whether standard-standard or non-standard text descriptions will be used for bill presentation purposes and the extent to which non-standard text must be pre-approved.</p>		
			ADJ002	Adjustment	
			ADJ007	Metering Adjustment	
				Charge associated with a measurement adjustment	
			ADJ010	Total Canceled Charges	
				<p>In the event that the ESCO-Marketer wants to cancel charges previously billed, this SAC04 code is sent to describe a single line item amount sent in SAC05 that represents the total amount of the charges being cancelled. This code must be sent in the IT109 = ACCOUNT Loop. This code is most often used when usage sent in prior periods must be corrected. In this instance, the E/MESCO would receive a cancel 867 transaction(s) from the Utility followed by a new 867(s) to correct the usage data previously sent. (See example transactions appended to this Implementation Guide.)</p>	
			BAS001	Customer Charge	
			BAS002	Special Billing Charge	
			BAS004	Field Service Charge	
			BUD001	Current Budget Billing Charge	
				<p>SAC05 element contains the budget plan installment amount for the month. In the Utility Bill Ready scenario, the SAC01 must be "C" when using this code and actual charges that are not being added to the budget amount must use an "N" in SAC01.</p>	

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BUD002	Budget Billing Settlement
	SAC05 contains the amount due from the customer to adjust previous amounts billed that have been blended into a budget billing arrangement; or, when either a budget arrangement has been cancelled or the budget plan year has ended and there is a net difference between actual charges and budget amounts paid. In the Utility Bill Ready scenario, the SAC01 must be "C" when using this code and actual charges that are not being added to the budget amount must use an "N" in SAC01.
COL001	Collection Charges
CRE001	Credit
CRE007	Energy Assistance Credit
	Federal , State or Local Energy assistance program
CRE010	Off Peak Credit
CRE011	Service Guarantee Credit
CRE024	On Peak Energy Credit
CRE025	Mid Peak Energy Credit
CRE026	Off Peak Energy Credit
<u>CRE030</u>	<u>Assistance Program Participant Credit</u>
DAB001	Deposit
DAB002	Deposit Interest
DAB003	Deposit Applied
DAB004	Deposit Reduction
DMD001	Demand Charge
DMD002	Contract Demand Charge
DMD006	Off Peak Demand
DMD007	On Peak Demand
DMD008	Intermediate Demand
DMD029	Shoulder
DSC001	Discount
DSC005	Energy Discount
DSC006	Church Discount
DSC007	Government Service Discount
DSC008	School Discount
DSC014	Courtesy Discount
DSC015	Referral Bonus
DSC016	Special Promotion
DSC017	Miscellaneous Promotion
ENC001	Energy Charge
ENC002	Energy Tier Charge
ENC003	Off Peak Charge
ENC039	On Peak
ENC043	Intermediate Peak Charge
FFR001	Non-Metered Service
INT001	Interest
INT003	ITC Adjustment Interest

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				Interest paid to compensate for the time difference between billing correctly the first time and correcting later with an adjustment entry
			LPC001	Late Payment Charge
			MAD003	Minimum Contract
				Minimum customer can be billed under terms of power contract
			MSC001	Miscellaneous Charge
			MSC035	Special Billing Services
			ODL001	Outdoor Lighting
			ODL002	Street Lighting Charges
			ODL003	Traffic Signals
			RRR007	Interest on Refund
			RTC001	Return Check Fee
				Charge associated with check returned from the bank
			RTC002	Return Check Amount
				Rebilling of returned payment
			SER001	Service Charge
				Charge for establishing account
			SER003	Switching Fees
			SMD001	Appliance Contract Installment
				Charge for installment payment on appliance service contract
			SMD011	Other Services and Merchandise
			SMD019	Special Meter Read
				Charge for an off-cycle meter read
			TPI002	ESCO/ Marketer Initiated Line Items
				This code must be used when the ES ESCO wants non-standard text to be displayed on the bill for the amount sent in SAC05. The actual text to be displayed is sent in SAC15. This is the only code that may be used when non-standard text is being sent in SAC15 and use of this code is subject to the mutual agreement of the billing and non-billing parties.
			TRS001	Transfer from Account to Account
				Monetary funds applied to an account by transferring from another account
			TRS002	Transfer to Deposit Account
				Funds transferred to satisfy security deposit requirement
Mand.	SAC05	610	Amount	O N2 1/15
				Charge/Adjustment Amount
				The TDS element is a type "N" number. For these numbers decimal precision is implied and, therefore, a decimal point should NOT be sent. Type "N" numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. For the TDS01element, the attribute column indicates "N2 1/15". This means that the number of digits following the implied decimal is "2" and amounts sent in this element must contain a minimum of 1 digit and a maximum of 15 digits.

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Cond.	SAC08	118	Rate	O	R 1/9
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Rate Used to Calculate Charge/Adjustment

The SAC08, SAC09 and SAC10 elements are sent to provide the quantity, unit of measure and rate associated with the amount sent in SAC05. When one of these elements is sent, they all must be sent. The amount sent in SAC08 multiplied by the amount sent in SAC10 should equal the amount sent in SAC05. For example, if the information to be displayed for an amount is: 392 kwh @ 0.05321/kwh then ".05321" is sent in SAC08, "KH" is sent in SAC09 and "392" is sent in SAC10.

Information about quantity, unit and rate would be displayed in addition to, and not in place of, the text description indicated by the code sent in SAC04.

This data element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.

Cond.	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
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When SAC08 and SAC10 are being sent, then SAC09 must also be sent. This element is sent when the ESCO/Marketer would like quantity, unit of measure and rate information displayed on the bill for an amount sent in SAC05. If one of these elements is sent, they all must be sent.

Information about quantity, unit and rate would be displayed in addition to, and not in place of, the text description indicated by the code sent in SAC04.

For example, if the information to be displayed for an amount is : 392 kwh @ 0.05321/kwh then ".05321" is sent in SAC08, "KH" is sent in SAC09 and "392" is sent in SAC10

DA	Days
DO	Dollars, U.S.
EA	Each
HH	Hundred Cubic Feet
	ccf
K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand
K3	Kilovolt Amperes Reactive Hour
K4	Kilovolt Amperes
K5	Kilovolt Amperes Reactive
K7	Kilowatt
KH	Kilowatt Hour
MO	Months
TD	Therms
TZ	Thousand Cubic Feet
YR	Years

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Cond.	SAC10	380	Quantity X R 1/15 Amount of Consumption or Quantity <p>When SAC08 and SAC09 is being sent, SAC10 must be sent. This element is sent when the ESCO/Marketer would like quantity, unit of measure and rate information displayed on the bill for an amount sent in SAC05. An SAC08 and 09 must be present if the SAC10 is sent.</p> <p>Information about quantity, unit and rate would be displayed in addition to, and not in place of, the text description indicated by the code sent in SAC04.</p> <p>For example, if the information to be displayed for an amount is : 392 kwh @ 0.05321/kwh then ".05321" is sent in SAC08, "KH" is sent in SAC09 and "392" is sent in SAC10</p> <p>This data element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.</p>
Cond.	SAC13	127	Reference Identification X AN 1/30 <p>This element is sent when the E/ESCO wants to communicate the order in which the amounts sent in SAC05 elements should be printed on the bill (01, 02, 03, ... 15, etc.) The use of print sequencing numbers in an 810 Invoice is at the discretion of the Utility. When print sequencing numbers are being used but no value is sent in SAC13, the Utility may print the charge amounts in any sequence.</p> <p>If IT109 = ACCOUNT, the sequence number pertains to all charges within the ACCOUNT loop.</p> <p>If IT109 = METER or UNMET, the sequence number pertains to the charges within each METER or UNMET loop.</p>
Cond.	SAC15	352	Description X AN 1/80 <p>This element is required when SAC04 = TPI002 (ESCO/Marketer Initiated Line Items); otherwise it is not used.</p> <p>The text sent in SAC15 will be displayed on the customer's bill. Each utility may establish a maximum number of characters that may be sent in this element.</p>