Case 98-M-O667
Supplement M

Electronic Data Exchange Standards for Energy Deregulation in New York

Single Retailer Invoices

EDI 810 Data Dictionary
Invoice Transaction

July 19, 2006
Version 2.0

	Summary of Changes
August 23, 2002	**Initial Release**
July 19, 2006	**Version 2.0**
	Removed references to RG&E or Rochester Gas & Electric. The Single Retailer Model is no longer offered in that service territory.
	Notes regarding use of the BIG05 element are revised to recognize that this element will contain a reference number to the corresponding 867MU transaction for EURC Calendar Month Estimate Invoices.
	Notes pertaining to the REF*AJ segment (Utility Account Number for the ESCO/Marketer) regarding response transactions are deleted; the TS824 Application Advice Standard does not support use of a REF*AJ segment in responses to an incoming 810 Invoice.
	The REF*CT segment is deleted; this segment was only required in RG&E's implementation of Single Retailer.
	Notes regarding use of the REF*PR (Rate Sub Class) are revised to indicate that this segment is sent when there is a rate sub class associated with the EURC and charges are being sent at a RATE level.
	Notes regarding use of the REF*VI (Gas Pool Id) segment are revised to indicate that this segment is optional but it will always be present in invoice transactions initiated by National Fuel Gas.
	Certain line references in the Comments column were updated.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
1	Transaction Set Header	None	ST	HDR	010	01	Transaction Set Identifier Code	Indicates Type of transaction	810	ID(3/3)	Required	
2	Transaction Set Header	None	ST	HDR	010	02	Transaction Set Control Number	A number generated by the senders system	ID#	AN(4/9)	Required	Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.
3	Beginning Segment for Invoice	None	BIG	HDR	020	01	Date	Date transaction was created by the sender's system.	CCYYMMDD	DT(8/8)	Required	
4	Beginning Segment for Invoice	None	BIG	HDR	020	02	Invoice Number	A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	ID#	AN(1/22)	Required	
5	Beginning Segment for Invoice	None	BIG	HDR	020	04	Purchase Order Number	A number assigned to all EURC Calendar Month Estimate Invoices generated for a specific calendar month.	#	AN(1/22)	Conditional	This element will be sent in EURC Calendar Month Estimate Invoices and ESCO Summary Invoices. The purchase order number is used to link individual EURC invoices (both Original and Cancel transactions) with the corrresponding ESCO Summary Invoice that contains the total amount due for all EURC Invoices generated for a calendar month . An identical number will be sent on the corresponding ESCO Summary Invoice that contains the total of the TDS amounts from each EURC Invoice for a calendar month.
6	Beginning Segment for Invoice	None	BIG	HDR	020	05	Release Number	The number originally transmitted in element BPT02 in of the 867 MU transaction associated with this Invoice.		AN 1/30	Conditional	The number transmitted in element BPT02 of the 867 MU transaction will be in element BIG05 of an 810 Invoice transaction in order to cross reference usage data sent in the 867 to the charge data in the 810 Invoice that was calculated based on that usage. In this model, this element will be sent in EURC Cycle and Calendar Month Estimate Invoices. There is no corresponding 867MU transaction associated with an ESCO Summary Invoice.
7	Beginning Segment for Invoice	None	BIG	HDR	020	07	Transaction Type Code	Type of invoice. In the Single Retailer model there are three types of invoices that may be sent: an EURC (end use retail customer) Cycle Invoice, an EURC Calendar Month Estimate Invoice and an ESCO Summary Invoice. The code sent in this element will describe the type of invoice being sent.	CI, EM, FE ME	ID(2/2)	Required	The code sent in BIG07 identifies what type of invoice transaction is being sent, i.e. an ESCO Summary Invoice (CI), an EURC Calendar Month Estimate Invoice (EM), or an EURC Cycle Invoice (FE or ME). FE is sent when the Cycle Invoice is the final bill to be issued by the Utility for this EURC OR this is the final bill for this EURC for this E/M (customer has switched to a new E/M). For all other EURC Cycle Invoices, ME will be sent in this element.
8	Beginning Segment for Invoice	None	BIG	HDR	020	08	Transaction Set Purpose Code	Purpose of transaction	00 01	ID(2/2)	Required	Code 00 is sent in BIG08 when the Invoice is an Original transaction; all ESCO Summary Invoices will contain "00" in this element. Code 01 indicates this is a cancel transaction; this code may only be sent in EURC Invoices.
9	Reference Identification (Original Invoice Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 contains a reference number from the original 810 Invoice that is being canceled in this transaction.	OI	ID 2/3	Conditional	When BIG08=01 this transaction is a Cancel transaction and REF*OI must be sent. The 02 element must contain the number previously sent in BIG02 in the original invoice that is now being canceled. This segment will not be sent in any ESCO Summary Invoice.
10	Reference Identification (Original Invoice Number)	None	REF	HDR	050	02	Reference Identification	When a Cancel transaction is sent, this is the Invoice Number (BIG02) from the Original 810 .		AN 1/30	Required	When a REF*OI segment is being sent, this element is required.
11	Reference Identification (Utility Customer Account Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the Utility assigned account number for the EURC.	12	ID 2/3	Conditional	The utility account number for the EURC must be sent in all EURC invoice transactions; this element will never be sent in an ESCO Summary Invoice because that invoice contains bill information that is only applicable to an E/M. When this number is sent it should be supplied without intervening spaces or non-alphanumeric characters i.e. characters added only to aid in visible presentation on a bill.
12	Reference Identification (Utility Customer Account Number)	None	REF	HDR	050	02	Reference Identification	Utility assigned customer account number	Account #	AN 1/30	Required	When a REF*12 segment is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
13	Reference Identification (Utility Account Number for the ESCO/Marketer)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 contains a Utility assigned account number for the ESCO/Marketer	AJ	ID 2/3	Required	This segment will be sent on all invoice transactions and should be used to validate incoming ESCO Summary Invoices.
14	Reference Identification (Utility Account Number for the ESCO/Marketer)	None	REF	HDR	050	02	Reference Identification	Utility Account Number for the ESCO/Marketer	Account #	AN 1/30	Required	When a REF*AJ segment is sent, this element is required.
15	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the E/M in this transaction	SJ	ID(2/3)	Required	Identifies the ESCO/Marketer participating in this transaction.
16	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	02	Name	Literal name of the E/M in this transaction	free form text	AN(1/60)	Optional	When an N1*SJ segment is sent this element is optional. E/M name is not necessary but may be provided by mutual agreement of the trading partners.
17	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS 9=DUNS+4 24=Federal Tax ID	ID(1/2)	Required	When an N1*SJ segment is sent, this element is required to indicate the type of number that is being sent in the N104 element.
18	Name (ESCO/Marketer)	NI Loop	N1	HDR	070	04	Identification Code	ESCO/Marketer's DUNS or Tax ID number	ID#	AN(2/80)	Required	When an N1*SJ segment is sent, this element is required.
19	Name (Utility)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the Utility in this transaction	8S	ID(2/3)	Required	Identifies the Utility participating in this transaction.
20	Name (Utility)	NI Loop	N1	HDR	070	02	Name	Literal name of the Utility in this transaction	free form text	AN(1/60)	Optional	When an N1*8S segment is sent, this element is optional. Utility name is not necessary but may be provided by mutual agreement of the trading partners.
21	Name (Utility)	NI Loop	N1	HDR	070	03	Identification Code Qualifier	Indicates type of ID number that will be sent in the N104 element of this segment	1=DUNS 9=DUNS+4 24=Federal Tax ID	ID(1/2)	Required	When an N1*8S segment is sent, this element is required to indicate the type of number that is being sent in the N104 element.
22	Name (Utility)	NI Loop	N1	HDR	070	04	Identification Code	Utility's DUNS Number or Tax ID number	ID#	AN(2/80)	Required	When an N1*8S segment is sent, this element is required.
23	Name (Customer)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the Customer in this transaction	8R	ID(2/3)	Conditional	This segment will be sent in all EURC Invoices and will never be sent in an ESCO Summary Invoice. REF02 contains the name of the end use customer targeted by this transaction.
24	Name (Customer)	NI Loop	N1	HDR	070	02	Name	Name of the end use customer targeted by this transaction	Text	AN(1/60)	Required	When an N1*8R segment is sent, this element is required.
25	Terms of Sale/Deferred Terms of Sale (Payment Due Date)	None	ITD	HDR	130	06	Terms Net Due Date	Date payment is due from the E/M in the form CCYYMMDD	CCYYMMDD	DT 8/8	Conditional	This segment is required for all ESCO Summary Invoice transactions; the segment is not used in EURC invoice transactions.
26	Balance Detail (Prior Balance)	None	BAL	HDR	212	01	Balance Type Code	The combination of BAL01 and BAL02 identifies the type of balance being sent in this segment. Prior balance is the amount sent in the Total Outstanding Balance segment in the last ESCO Summary Invoice sent to the E/M indicated in N1*SJ.	P	ID 1/2	Conditional	Balance segments will only be sent in an ESCO Summary Invoice. The Prior Balance segment is used to report the balance outstanding from the last Summary Invoice sent to the E/M targeted in this transaction.
27	Balance Detail (Prior Balance)	None	BAL	HDR	212	02	Amount Qualifier Code	Code categorizing the amount sent in BAL03.	YB	ID 1/3	Required	When a prior balance segment is being sent, this element is required.
28	Balance Detail (Prior Balance)	None	BAL	HDR	212	03	Monetary Amount	Amount of the Prior Balance.	$	R 1/8	Required	When a prior balance segment is being sent, this element is required. This element contains a real number. If the amount is negative, the number must be preceded by a minus sign (-). A decimal point is not implied in BAL segments and if needed must be sent. It is not necessary to send a decimal point if the value being communicated is a whole number, i.e. $100.00 may be sent as 100; $100.02 must be sent as 100.02.
29	Balance Detail (Total Payments & Refunds)	None	BAL	HDR	212	01	Balance Type Code	The combination of BAL01 and BAL02 identifies the type of balance being sent in this segment. Total Payments & Refunds is the total amount of payments received from, and refunds applied to, the E/Ms account with the Utility since the last ESCO Summary Invoice was sent.	P	ID 1/2	Conditional	Balance segments will only be sent in an ESCO Summary Invoice. The balance sent in the Total Payments and Refunds segment is the net amount of payments received, and/or refunds applied, to the EMs account since the last ESCO Summary Invoice was sent to the E/M targeted in this transaction. Each payment and/or refund will be separately identified in a PAM segment (See line 38).
30	Balance Detail (Total Payments & Refunds)	None	BAL	HDR	212	02	Amount Qualifier Code	Code categorizing the amount sent in BAL03.	TP	ID 1/3	Required	When this BAL segment is being sent this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
31	Balance Detail (Total Payments & Refunds)	None	BAL	HDR	212	03	Monetary Amount	Net amount of payments and refunds.	xx.yy OR -xx.yy	R 1/8	Required	When this BAL segment is being sent this element is required. This element contains a real number. If the amount is negative, the number must be preceded by a minus sign (-). A decimal point is not implied in BAL segments and if needed must be sent. See Comment on Line 28 regarding decimal points.
32	Balance Detail (Beginning Balance)	None	BAL	HDR	212	01	Balance Type Code	The combination of BAL01 and BAL02 identifies the type of balance being sent in this segment. Beginning Balance is the E/Ms balance prior to this billing.	M	ID 1/2	Conditional	Balance segments will only be sent in an ESCO Summary Invoice. When the total outstanding balance on the last invoice sent to this E/M has been paid the value sent in the Beginning Balance segment will be zero.
33	Balance Detail (Beginning Balance)	None	BAL	HDR	212	02	Amount Qualifier Code	Code categorizing the amount sent in BAL03.	J9	ID 1/3	Required	When this BAL segment is being sent this element is required.
34	Balance Detail (Beginning Balance)	None	BAL	HDR	212	03	Monetary Amount	The amount in BAL03 is the balance due from the E/M prior to this billing.	xx.yy OR -xx.yy	R 1/8	Required	When this BAL segment is being sent this element is required. This element contains a real number. If the amount is negative, the number must be preceded by a minus sign (-). A decimal point is not implied in BAL segments and if needed must be sent. See Comment on Line 28.
35	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	01	Balance Type Code	The combination of BAL01 and BAL02 identifies the type of balance being sent in this segment. The Total Outstanding Balance is the amount sent in the TDS segment plus the amount reported in the Beginning Balance segment of this invoice.	M	ID 1/2	Conditional	Balance segments will only be sent in an ESCO Summary Invoice. This segment contains the total outstanding balance the E/M is expected to pay by the date communicated in the ITD segment.
36	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount sent in BAL03.	YB	ID 1/3	Required	This element is required when this BAL segment is being sent; the combination of M*YB is used to indicate that this segment contains the total outstanding balance.
37	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	03	Monetary Amount	Amount due from the E/M for this invoice.	xx.yy OR -xx.yy	R 1/18	Required	This element is required when a BAL segment is being sent. This element contains a real number. When the total outstanding balance is a negative number (i.e. a credit balance), the amount sent must be preceded by a minus sign(-). The decimal point is not implied in BAL segments and, if needed, must be sent. See Comment on Line 28.
38	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	04	Amount Qualifier Code	Code in this element indicates whether the monetary amount in PAM*05 is a payment amount or a refund	BAR QZ	ID1/3	Conditional	This segment will only be sent in an ESCO Summary Invoice transaction and is used to report each payment for prior Summary Invoices received from an E/M and/or refunds that may result from posting entries to the E/Ms account that result in a credit balance.
39	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	05	Monetary Amount	Amount paid or refunded. Payments are typically a positive number; refunds are typically a negative number.	-xx.yy	R 1/18	Required	PAM05 is used to communicate the amount of the payment received or the refund issued.
40	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	06	Unit of Time Period or Interval	Code describing the date sent in PAM08	PD	ID 2/2	Required	When PAM07 is being sent, PAM06 is required to comply with X12 syntax requirements.
41	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	07	Date/Time Qualifier	Code qualifying the date sent in PAM08	009	ID 3/3	Required	When PAM08 is being sent, PAM07 is required to comply with X12 syntax requirements.
42	Period Amount (Payment Posted or Refund Applied)	None	PAM	HDR	214	08	Date	Date payment was posted or refund applied.	CCYYMMDD	DT 8/8	Required	PAM08 must be sent to indicate the date the payment or refund was applied.
43	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	01	Assigned Identification	Sequential Line Item Counter	first IT1 = 1, the next IT1 =2, the next IT1=3, etc.	AN 1/20	Required	The IT1 segment is required for all transactions and is used to identify the type of commodity service for which the charges in this invoice are being rendered and at what level of detail the charges are being reported. For the Single Retailer Model, the charge level may be either ACCOUNT, RATE or GASPOOL. The segment notes in the Implementation Guide for the 810 Invoice - Single Retailer should be carefully reviewed to understand which of these charge levels may be sent in a particular Single Retailer 810 Invoice transaction.
44	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	06	Product/Service ID Qualifier	Code identifying the type/source of the descriptive number used in Product/Service ID	SV	ID 2/2	Required	

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
45	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	07	Product/Service ID	Indicates type of service	BOTH, EL, GAS	AN 1/48	Required	There may be only one commodity (Electric or Gas) identified in each 810 EURC Invoice transaction. The value "BOTH" is a valid value for the ESCO Summary Invoice when a charge does not pertain to a specific type of commodity service.
46	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	08	Product/Service ID Qualifier	Code identifying the Service Classification	C3	ID 2/2	Required	
47	Baseline Item Data (Charge Level)	IT1 Loop	IT1	DTL	010	09	Product/Service ID	Indicates the level at which charges were billed	ACCOUNT OR GASPOOL OR RATE	AN 1/48	Required	ACCOUNT - charges/taxes are summarized by Account GASPOOL - charges/taxes are summarized by Gas Pool Id RATE - charges/taxes are summarized by rate class and subclass. There may be only one IT1 segment where IT109=ACCOUNT per transaction.
48	Tax Information	IT1 Loop	TXI	DTL	040	01	Tax Type Code	Code specifying the type of tax	GR=Gross Receipts, LS= State/Local Sales, PG = Gas Import Tax, SC= School Tax	ID 2/2	Conditional	The TXI segment is used to report tax amounts. RG&E will not send sales tax amounts in an EURC Cycle Invoice but NFG will send all applicable tax amounts pertaining to the EURC in the Cycle and Calendar Month Estimate Invoices. The ESCO Summary Invoice will contain taxes applicable to the E/Ms charges sent in that invoice. All tax amounts in a specific Invoice transaction may be sent in one TXI segment at the Account level or individual tax amounts could be associated charges sent at a GASPOOL or RATE level.
49	Tax Information	IT1 Loop	TXI	DTL	040	02	Monetary Amount	Monetary amount	xx.yy OR -xx.yy	R 1/18	Required	Calculated Tax Amount. This element contains a real number. If negative, the amount must be preceded by a minus sign (-). The decimal point is not implied and, if needed, must be sent. See the Comment on Line 28 regarding the requirement to send a decimal for certain amounts.
50	Tax Information	IT1 Loop	TXI	DTL	040	03	Percent	Percentage expressed as a decimal	x.yy	R 1/10	Optional	This element, in conjunction with TXI08, may be sent to provide more detailed information about the calculation of the tax amount. Tax rate expressed as a percent with a decimal point, e.g., 6% would be expressed as .06. This element contains a real number. A decimal point is not implied and, if needed, must be sent. Since the value sent in this element represents a tax rate, a decimal should always be sent unless the actual rate is 100% in which case the value sent in this element would be "1".
51	Tax Information	IT1 Loop	TXI	DTL	040	07	Relationship Code	Code indicating the relationship between entities	A or O	ID 1/1	Required	Use "A" when the amount in the TXI02 element should be included when summing the invoice total in the TDS segment; Use "O" when the amount in the TXI02 should be ignored when summing the invoice total in the TDS segment.
52	Tax Information	IT1 Loop	TXI	DTL	040	08	Dollar Basis For Percent	Dollar basis to be used in the percent calculation of the allowance, charge or tax	xxxxxx.yy OR -xxxxxx.yy	R 1/9	Optional	This element, in conjunction with TXI03, may be sent to provide more detailed information about the calculation of the tax amount. The amount in TXI08 multiplied by the percent in TXI03 should equal the calculated tax amount in TXI02. This element contains a real number. If the amount is negative (i.e. a credit), it must be preceded by a minus sign(-). The decimal point is not implied in this element and, if needed, must be sent. See Comment on Line 28 regarding sending a decimal point.
53	Reference Identification (Bill Cycle Code)	IT1 Loop	REF	DTL	120	01	Reference Identification Qualifier	Code indicating that the data contained in REF02 describes the bill cycle for the EURC	BF	ID(2/3)	Conditional	This segment will only be sent in an 810 EURC Cycle Invoice.
54	Reference Identification (Bill Cycle Code)	IT1 Loop	REF	DTL	120	02	Reference Identification	Number indicating billing cycle.	cycle code	AN(1/30)	Required	When a REF*BF is sent, this element is required.
55	Reference Identification (Utility Rate Service Class)	IT1 Loop	REF	DTL	120	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate class for the EURC.	NH	ID(2/3)	Conditional	This segment is sent in an EURC Cycle Invoice when charges are being summarized at a RATE level to identify the EURCs utility rate class.
56	Reference Identification (Utility Rate Service Class)	IT1 Loop	REF	DTL	120	02	Reference Identification		Text	AN(1/30)	Required	When REF*NH is being sent, this element is required.
57	Reference Identification (Rate Sub Class)	IT1 Loop	REF	DTL	120	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass for the EURC.	PR	ID(2/3)	Conditional	This segment is sent in an EURC Cycle Invoice when a rate subclass is applicable and charges are being summarized at a RATE level.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
58	Reference Identification (Rate Sub Class)	IT1 Loop	REF	DTL	120	02	Reference Identification		Text	AN(1/30)	Required	When REF*PR is being sent, this element is required.
59	Reference Identification (Gas Pool ID)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 contains the gas pool id for the EURC identified in the N1*8R segment	VI	ID 2/3	Conditional	This segment is optional in EURC Cycle and Calendar Month Estimate Invoices but will always be present in Cycle and CME Invoices transmitted by NFG. This segment is required in an ESCO Summary Invoice if charges are being summarized at the GASPOOL level.
60	Reference Identification (Gas Pool ID)	None	REF	HDR	050	02	Reference Identification	Gas Pool ID for the customer who was billed.	#	AN 1/30	Required	When a REF*VI is sent this element is required.
61	Date/Time Reference (Period Start Date)	IT1 Loop	DTM	DTL	150	01	Date/Time Qualifier	Code indicating that DTM02 contains the measurement period start date associated with the invoice amounts in this IT1 loop.	150	ID(3/3)	Conditional	For the EURC Cycle Invoice, the period indicated by the dates sent in the DTM*150 and DTM*151 segments must match the periods indicated in the QTY loops in the applicable PTD loops in the 867 Monthly Usage transaction referenced in segment BIG05 in this transaction. For the EURC Calendar Month Estimate Invoice, the dates sent in the DTM*150 and DTM*151 segments will reference a calendar month period. This segment is optional on the ESCO Summary Invoice.
62	Date/Time Reference (Period Start Date)	IT1 Loop	DTM	DTL	150	02	Date	Period Start Date	CCYYMMDD	DT(8/8)	Required	See Comment on Line 61. The date sent in DTM*150 should match the earliest period start date indicated in the QTY loops of the corresponding 867MU transaction.
63	Date/Time Reference (Period End Date)	IT1 Loop	DTM	DTL	150	01	Date/Time Qualifier	Code indicating that DTM02 contains the measurement period end date associated with the invoice amounts in this IT1 loop.	151	ID(3/3)	Conditional	See Comment on Line 61.
64	Date/Time Reference (Period End Date)	IT1 Loop	DTM	DTL	150	02	Date	Period End Date	CCYYMMDD	DT(8/8)	Required	See Comment on Line 61. The date sent in DTM*150 should match the latest period end date indicated in the QTY loops of the corresponding 867MU transaction.
65	Subline Item Detail (Item Counter)	SLN Loop	SLN	DTL	200	01	Assigned Identification	Sequential Charge Line Item Counter.	#	AN 1/20	Conditional	The SLN01 element is used as a sequential item counter to denote the placement of each SLN loop in a transaction i.e. 1= this is the first SLN loop, 2=this is the second SLN loop in this transaction, etc. When charge information is being sent in an SAC segment an SLN segment is required but there may be only one SLN segment for each SAC segment in each SLN loop.
66	Subline Item Detail (Item Counter)	SLN Loop	SLN	DTL	200	03	Relationship Code	Code indicating the relationship between entities	A	ID 1/1	Required	When an SLN segment is sent, the 03 element is required. A relationship code in the SLN segment is required by X12 and the code "A" is the most widely used code for the SLN03 element for invoices in retail access situations. The code value "Add" for code A has no literal meaning in this transaction and is only sent as a placeholder to satisfy X12 requirements.
67	Date/Time Reference (Process Date)	IT1 Loop	DTM	DTL	205	01	Date/Time Qualifier	DTM02 contains the date an adjustment identified in the SAC segment was applied to the EURC or E/M account.	009	ID 3/3	Conditional	This segment may be sent in any Invoice transaction to communicate the date an adjustment identified in the SAC segment was posted on the EURCs (EURC Invoices) or E/Ms (ESCO Summary Invoice) account.
68	Date/Time Reference (Process Date)	IT1 Loop	DTM	DTL	205	02	Date	Date Adjustment was processed on an account.	CCYYMMDD	DT(8/8)	Required	
69	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	01	Allowance or charge indicator	Code which indicates an allowance or charge for the service specified	C or N	ID 1/1	Conditional	The SAC segment, which is applicable to all types of invoices in the Single Retailer model, must be sent when transmitting charge data other than tax information. The segment is used to describe a specific charge amount/allowance item. An "N" code should be sent in SAC01 when the amount in the SAC05 should be ignored when summing the invoice total in the TDS segment. A "C" code should be sent when the amount in the SAC05 should be included when summing the invoice total in the TDS segment.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
70	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	03	Agency Qualifier Code	Code identifying the agency assigning the code values	EU or GU	ID 2/2	Required	EU = Electric and combination utilities; GU = Gas Utilities.
71	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	04	Agency Service, Promotion, Allowance, or Charge Code	Code indicating the type of charge		AN 1/10	Required	See Implementation Guide for the list of code values and further instructions.
72	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	05	Amount	Dollar amount (credit or debit) of the charge associated with the code sent in SAC04.	xxxxxxxxxxxxxyy OR -xxxxxxxxxxxxxyy	N2 1/15	Required	If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign(-). This element contains an implied decimal; DO NOT send the decimal point. The product of the amount sent in SAC10 multiplied by the amount sent in SAC08 will typically equal the amount of the charge sent in SAC05. In certain instances, however, this will not be the case. See Comments on Line 77 for examples.
73	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	08	Rate	This is the rate that used to calculate the amount of the charge/adjustment sent in SAC05.	xx.yy	R 1/9	Conditional	The SAC08, SAC09 and SAC10 elements may be used for to provide additional detail regarding the calculation of the charge/adjustment sent in SAC05. SAC08 contains rate information, SAC09 contains information on the units of measure associated with a specific charge and SAC10 communicates the quantity or consumption that was used in calculating the SAC05 amount. When SAC08 is sent, SAC09 and SAC10 must also be sent. The decimal point is NOT implied in this element and must be sent, if needed.
74	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	09	Unit or Basis for Measurement Code	Unit of measure for Quantity(SAC10).	DA ; EA ; HH ; K1; K2 ; K3 ; K4; K5; K7; KH ; MO ; TD ; TZ, or YR	ID 2/2	Conditional	The code in SAC09 is used to describe the unit of measurement that was the basis for the calculated amount sent in the SAC05. See comment on Line 75. This element must be sent in conjunction with SAC08 and SAC10. See the Implementation Guide for a description of the values associated with each code.
75	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	10	Quantity	Consumption or Quantity	#	R 1/15	Conditional	SAC10 is sent to provide the quantity that was the basis for the calculation of the charge amount sent in SAC05. This element must be sent in conjunction with SAC08 and SAC09. The product of the amount sent in SAC10 multiplied by the amount sent in SAC08 will typically equal the amount of the charge sent in SAC05. In certain instances, however, this will not be the case. The most common examples of scenarios in which SAC10 x SAC08 will not equal the SAC05 amount are instances in which the charge amount in SAC05 is based on a pro-rated period or when the actual quantity or consumption may be less than a minimum billed amount. This element contains a real number. If the amount is a negative number (i.e. a credit), it must be preceded by a minus (-). The decimal point is not implied in this element and, if needed, must be sent. See also the Comment on line 28 regarding decimal points in real number elements.
76	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	15	Description	Additional text that may be sent to further describe the nature of the charge amount sent in SAC05.	Text	AN 1/80	Required	In the Single Retailer model, SAC15 will always be provided.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
77	Total Monetary Value Summary	None	TDS	SUM	010	01	Amount	The sum of the current charges sent in this invoice.	xxxxxxxxxxxx.yy OR -xxxxxxxxxxxx.yy	N2 1/15	Required	The TDS segment is used to transmit the sum of all chargeable items sent in an invoice and will be sent in all 810 Invoices in the Single Retailer model. If the sum of the charge items is a negative number (i.e. a credit), the amount sent must be preceded by a minus sign(-). The decimal point is NOT implied in this element and must be sent, if needed.
78	Transaction Totals	None	CTT	SUM	070	01	Number of Line Items	Number of IT1 segments present in the transaction.	#	N0 1/6	Required	
79	Transaction Set Trailer	None	SE	SUM	080	01	Number of Included Segments	Total number of segments included in a transaction set including ST and SE segments	#	NO 1/10	Required	
80	Transaction Set Trailer	None	SE	SUM	080	02	Transaction Set Control Number	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		AN(4/9)	Required	