Case 98-M-0667
Supplement J

Electronic Data Exchange Standards for Energy Deregulation in New York

Utility Rate Ready Invoice

EDI 810 Data Dictionary
Invoice Transaction

~~July 19, 2006~~
April 7, 2015
Version 1.~~2~~3

	Summary of Changes
June 21, 2002	**Initial Release**
February 21, 2003	**Version 1.1 Issued**
	Usage attributes for SAC08, SAC09 and SAC10 elements were revised from "Required" to "Conditional". These elements are required in an 810 Original Invoice but will only be sent in an 810 Cancel transaction at the discretion of the billing party.
July 19, 2006	**Version 1.2 Issued**
	The codes used in the TXI01 element in the TXI (Tax Information) segment are revised. The code for Sales Tax is changed from LS to SL and the code GR is added to separately identify gross receipts taxes.
April 7, 2015	**Version 1.3 Issued**
	• Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary. • Replaced references to Marketer and E/M with ESCO.

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	05	Release Number	The number originally transmitted in element BPT02 in of the 867 Current Usage transaction associated with this Invoice.		AN 1/30	Required	The number transmitted in element BPT02 of the 867 Monthly Usage transaction must be sent in element BIG05 of the 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.
6	Beginning Segment for Invoice	None	BIG	HDR	020	07	Transaction Type Code	Type of invoice	FE ME	ID(2/2)	Required	FE is sent in BIG07 to indicate that this is the final bill when the customer's account with the utility has been closed. For all other invoices, ME is sent in BIG07 to indicate this invoice is a regular bill.
7	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. Code 01 is sent in this element when the Invoice contains adjustments to previously billed charges.
8	Reference Identification (Original Invoice Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code qualifying the reference identification	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
9	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.
10	Reference Identification (ESCO~~/Marketer~~ Customer Account Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that the REF02 element contains the ESCO assigned account number for the customer.	11	ID 2/3	Conditional	When the ESCO~~/Marketer~~ Customer Account Number was previously provided to the Utility (I.e. in an 814 Enrollment or Change transaction), then the 810 Invoice transaction must contain this account number.
11	Reference Identification (ESCO~~/Marketer~~ Customer Account Number)	None	REF	HDR	050	02	Reference Identification	~~ESCO/Marketer's~~ESCO's assigned account number for the customer.	Account #	AN 1/30	Required	When a REF*11 segment is sent this element is required.
12	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 customer	12	ID 2/3	Required	The utility account number for the customer must be sent in all transactions. The account number should be supplied without intervening spaces or non-alphanumeric characters i.e. characters added only to aid in visible presentation on a bill. See Comment on ~~Line 14~~REF45 regarding changes in utility account numbers.
13	Reference Identification (Utility Customer Account Number)	None	REF	HDR	050	02	Reference Identification	Utility assigned customer account number	Account #	AN 1/30	Required	
14	Reference Identification (Previous Utility Customer Account Number)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility's previous account number for the customer	45	ID 2/3	Conditional	The REF*45 segment should be sent when the utility assigned account number for the customer has changed in the last 90 days. The Utility should notify the ~~E/M~~ESCO of a change in the customer's utility account number via an 814 Change transaction prior to transmitting the new number in an 810 Invoice transaction.
15	Reference Identification (Previous Utility Customer Account Number)	None	REF	HDR	050	02	Reference Identification	Previous utility assigned customer account number	Account #	AN 1/30	Required	This element must be sent when a REF*45 segment is sent.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
16	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	Optional	
17	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.
18	Reference Identification (Bill Presenter)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 identifies the bill presenter	BLT	ID 2/3	Required	This segment identifies the billing party. In the Rate Ready model, the LDC is always the bill presenter.
19	Reference Identification (Bill Presenter)	None	REF	HDR	050	02	Reference Identification	The Bill Presenter in the LDC Rate Ready model is always the LDC.	LDC	AN 1/30	Required	When a REF*BLT is sent this element is required.
20	Reference Identification (Bill Calculator)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 identifies the bill calculator	PC	ID 2/3	Required	This segment identifies the party calculating bill charges. In the Rate Ready model, the LDC is always the bill calculator.
21	Reference Identification (Bill Calculator)	None	REF	HDR	050	02	Reference Identification	Party calculating bill charges.	LDC	AN 1/30	Required	When a REF*PC is sent this element is required.
22	Reference Identification (Gas Pool ID)	None	REF	HDR	050	01	Reference Identification Qualifier	Code indicating that REF02 contains the gas pool id for the customer identified in the N1*8R segment	VI	ID 2/3	Optional	With the mutual agreement of the parties, this segment may be sent.
23	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.
24	Name (ESCO~~/Marketer~~)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the ~~E/M~~ESCO in this transaction	SJ	ID(2/3)	Required	Identifies the ESCO~~/Marketer~~ participating in this transaction.
25	Name (ESCO~~/Marketer~~)	NI Loop	N1	HDR	070	02	Name	Literal name of the ~~E/M~~ESCO in this transaction	free form text	AN(1/60)	Optional	When an N1*SJ segment is sent this element is optional. ~~E/M~~ESCO name is not necessary but may be provided by mutual agreement of the trading partners.
26	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.
27	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
28	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.
29	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.
30	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.
31	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.
32	Name (Customer)	NI Loop	N1	HDR	070	01	Entity Identifier Code	Code identifying the Customer in this transaction	8R	ID(2/3)	Optional	REF02 contains the name of the end use customer targeted by this transaction. Customer name is an optional segment in the 810 Invoice transaction.
33	Name (Customer)	NI Loop	N1	HDR	070	02	Name	Name of the end use customer targeted by this transaction	Text or the literal "NAME"	AN(1/60)	Required	When an N1*8R segment is sent, this element is required but the format is at the discretion of the Utility.
34	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 customer in the form CCYYMMDD	CCYYMMDD	DT 8/8	Conditional	This segment is required for original invoice transactions (BIG08=00) when the pay-as-you-get paid method is being used. This segment is not sent on an original invoice transaction when the purchased receivables method is being used. This segment is also not sent on cancel transactions (BIG08=01). If sent, this segment contains the date payment is due from the customer.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
35	Balance Detail (Total Outstanding Balance)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	M	ID 1/2	Conditional	This segment is sent when the transaction is an original invoice and the pay-as-you-get paid method is being used. This segment contains the customer's total outstanding balance after presentment of this invoice.
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 of customer's total outstanding balance (previous balance plus current charges) in the form xx.yy.	xx.yy OR -xx.yy	R 1/18	Required	The amount of the balance is sent in the BAL03 element. For accounts on budget billing for the ~~E/M~~ESCO charges, the BAL03 amount is the sum of actual charges billed less actual payments applied to date. If the outstanding balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign(-). The decimal point is not implied in this element and, if needed, must be sent.
38	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	Y	ID 1/2	Conditional	This BAL segment is sent when the Utility is calculating budget bill amounts on behalf of the ESCO~~/Marketer~~ and the payment method is pay-as-you-get-paid. This segment is not used on cancel transactions.
39	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	46	ID 1/3	Required	This element is required when cumulative budget plan balance data is being sent. The combination of Y*46 is used to indicate that this segment contains the cumulative difference between actual charges based on usage and budget plan amounts billed to date

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
40	Balance Detail (Budget Plan Cumulative Difference)	None	BAL	HDR	212	03	Monetary Amount	Amount of Cumulative Difference	xx.yy OR -xx.yy	R 1/18	Required	This element is required when cumulative budget plan balance data is being sent. If the cumulative balance is a negative number (i.e. a credit balance), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
41	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	01	Balance Type Code	Code indicating the type of balance	M	ID 1/2	Conditional	This BAL segment is sent when the Utility is calculating budget bill amounts on behalf of the ESCO~~/Marketer~~ and the payment method is pay-as-you-get-paid. This segment is not used on cancel transactions.
42	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	02	Amount Qualifier Code	Code to qualify amount	41	ID 1/3	Required	When this BAL segment is being sent this element is required. This segment is used to report the difference between actual and budget plan amounts for the current bill period. The combination of M*41 is used to indicate that this segment contains the difference between actual charges based on usage and budget plan amounts for the current bill period.
43	Balance Detail (Budget Plan Current Month Difference)	None	BAL	HDR	212	03	Monetary Amount	Amount of Current Difference	xx.yy OR -xx.yy	R 1/18	Required	This element is required to transmit the amount of the difference between actual and budget plan amounts for the current bill period. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
44	Baseline Item Data (Commodity/Charge Category)	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.

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 (Commodity/Charge Category)	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	
46	Baseline Item Data (Commodity/Charge Category)	IT1 Loop	IT1	DTL	010	07	Product/Service ID	Indicates type of service	EL or GAS	AN 1/48	Required	There may be only one commodity (Electric or Gas) for each 810 transaction.
47	Baseline Item Data (Commodity/Charge Category)	IT1 Loop	IT1	DTL	010	08	Product/Service ID Qualifier	Code identifying the Service Classification	C3	ID 2/2	Required	
48	Baseline Item Data (Commodity/Charge Category)	IT1 Loop	IT1	DTL	010	09	Product/Service ID	Indicates the level at which charges were billed	ACCOUNT OR METER OR UNMET	AN 1/48	Required	ACCOUNT - charges/taxes are summarized at an Account level. There may be only one IT1 segment per transaction where IT109=ACCOUNT. METER - charges/taxes are summarized by Meter UNMET - charges/taxes are summarized for unmetered services.
49	Tax Information	IT1 Loop	TXI	DTL	040	01	Tax Type Code	Code specifying the type of tax	LS, GR	ID 2/2	Conditional	The TXI segment is used to report tax amounts. All sales or gross receipts tax amounts for the customer may be sent in one TXI segment at the Account level or individual tax amounts may be associated with a meter at the Meter level or with unmetered service at the Unmet level. The 810 Invoice should contain at least one TXI segment unless the customer's account is exempt from tax.
50	Tax Information	IT1 Loop	TXI	DTL	040	02	Monetary Amount	Monetary amount	xx.yy OR -xx.yy	R 1/18	Required	Calculated Tax Amount. If negative, this amount must be preceded by a negative sign. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
51	Tax Information	IT1 Loop	TXI	DTL	040	03	Percent	Percentage expressed as a decimal	x.yy	R 1/10	Optional	Tax rate expressed as a percent with a decimal point, e.g., 6% would be expressed as .06. The decimal point is not implied in this element and, if needed, must be sent.
52	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.
53	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	The amount in TXI08 multiplied by the percent in TXI03 should equal the calculated tax amount in TXI02. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
54	Reference Identification (Meter Number)	IT1 Loop	REF	DTL	120	01	Reference Identification Qualifier	Code indicating that the number in REF02 is a meter number.	MG	ID(2/3)	Conditional	When charges are being sent at the METER level (IT109-METER) this segment is required to identify which meter is associated with the charges being sent. Meter Numbers should only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded.
55	Reference Identification (Meter Number)	IT1 Loop	REF	DTL	120	02	Reference Identification	Meter Number	#	AN 1/30	Required	When a REF*MG 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
56	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)	Required	The billing 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.
57	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 56~~DTM01.
58	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)	Required	See Comment on DTM01~~Line 56~~.
59	Date/Time Reference (Period End Date)	IT1 Loop	DTM	DTL	150	02	Date	Period End Date	CCYYMMDD	DT(8/8)	Required	See Comment on DTM01~~Line 56~~.
60	Subline Item Detail	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.
61	Subline Item Detail	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.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
62	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	Required	An "N" code should be sent in this segment 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. This structure is commonly used to differentiate between, for example, actual charges and budget plan charges.
63	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 is used for Electric and combination utilities; GU is used for Gas Utilities.
64	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	ADJ002, BAS001, BAS002, BUD001, BUD002, CRE001, ENC001, LPC001, ODL002, RTC001	AN 1/10	Required	See Implementation Guide for the list of code values and further instructions.
65	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 amount sent in this element must ALWAYS equal the product of SAC08 multiplied by SAC10.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
66	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	08	Rate	ESCO~~/Marketer~~ price per unit that was used to calculate the amount of the charge	xx.yy	R 1/9	Conditional	Elements SAC08, SAC09 and SAC10 are sent to describe the rate, unit of measure and quantity used to calculate the charge/adjustment amount sent in SAC05. These elements are required in an 810 Original Invoice (BIG01=00) and may be sent in an 810 Cancel transaction (BIG01=01) at the discretion of the billing party. When one of these elements is sent, they all must be sent. The amount sent in SAC08 multiplied by the amount sent in SAC10 must always equal the amount sent in SAC05. The decimal point is NOT implied in this element and must be sent, if needed.
67	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	09	Unit or Basis for Measurement Code	Unit of measure for Quantity (SAC10).	BZ; CF; DA ; DO; EA ; HH ; K1; K2 ; K3 ; K4; K5; K7; KH ; MO ; TD ; TZ; or YR	ID 2/2	Conditional	Elements SAC08, SAC09 and SAC10 are sent to describe the rate, unit of measure and quantity used to calculate the charge/adjustment amount sent in SAC05. These elements are required in an 810 Original Invoice (BIG01=00) and may be sent in an 810 Cancel transaction (BIG01=01) at the discretion of the billing party. When one of these elements is sent, they all must be sent.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Usage Attributes	Comments
68	Service, Promotion, Allowance, or Charge Information	SLN Loop	SAC	DTL	230	10	Quantity	Consumption or Quantity	#	R 1/15	Conditional	Elements SAC08, SAC09 and SAC10 are sent to describe the rate, unit of measure and quantity used to calculate the charge/adjustment amount sent in SAC05. These elements are required in an 810 Original Invoice (BIG01=00) and may be sent in an 810 Cancel transaction (BIG01=01) at the discretion of the billing party. When one of these elements is sent, they all must be sent. SAC10 is the consumption or quantity that was the basis for the calculation of the charge amount. For example, for a late payment charge, the SAC10 would contain ~~-~~the unpaid principle balance for which the late payment was assessed (also referred to as the dollar basis amount). The product of SAC10 multiplied by SAC08 must always equal the amount sent in SAC05. If the amount is a negative number (i.e. a credit), the amount must be preceded by a negative sign (-). The decimal point is not implied in this element and, if needed, must be sent.
69	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	Optional	
70	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	If the sum of the charge items is a negative number (i.e. a credit~~-~~), the amount must be preceded by a negative sign(-). The decimal point is NOT implied in this element and must be sent, if needed. See the Comments on ~~lines 52~~TXI01 and ~~62~~SAC01 for additional clarification regarding the amounts that should be included in the number sent 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
71	Transaction Totals	None	CTT	SUM	070	01	Number of Line Items	Number of IT1 segments	#	N0 1/6	Required	
72	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	
73	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	