PROPOSED 814HU Modifications:

Types of History Requests	• The requests covered by this implementation guide are the request for history data (LIN05 = HU) and the request for a gas profile (LIN05=GP). • LIN05 = HU is a request for consumption history for the most recent 12-month period on an account for the commodity requested (or for the life of the account for that service, if shorter). When the 814 Request is accepted, the ESCO will receive an 867 containing the consumption history as available from the utility. Consumption history for electric customers with interval meters will be transmitted in summary form in an 867. Arrangements for access to the detailed interval data on an account must be made directly with the applicable utility since this data will not be returned in a TS867 transaction. • LIN05 = GP is a request for a gas profile for a specific customer account. The gas profile is a weather-normalized forecast derived from the customers' consumption history. The profile represents an estimate of a customer's gas consumption for each month in a twelve-month period. If the 814 Request is accepted, the gas profile data will be returned in an 867 transaction. For utilities that provide gas profiles (see Conditional Data Segments below),if the quantity of consumption history is insufficient to derive a profile, the GP request may be rejected. If a GP request is rejected due to insufficient data, a utility that provides gas profiles may elect to permit ESCOs to submit a new 814 Request transaction with an HU request may be transmitted. Otherwise, a customer's Gas Profile may be periodically updated but these updates will not be transmitted via EDI.
Conditional Data Segments	• Each utility may elect to support gas profile requests and the details of a utility's gas profile implementation will be explained in its Utility Maintained EDI Guide. If the LIN05 = GP and the Utility does not support gas profiles, the Utility will return the default consumption history on an 867 (i.e. up to 12 months of usage, or the life of the account).
Definitions	• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The term DERS is used to describe a Distributed Energy Resource Supplier. The principal parties involved in this Transaction Set 814 implementation guide are: ➢ The end-use customer (Code 8R) ➢ The Utility (LDC) (Code 8S) ➢ The Supplier (ESCO or DERS) (Code SJ).

PROPOSED 814HU Modifications:

Segment:	**N1 Name (ESCO)**
Position:	040
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:	Request: Required
	Response: Required
	N1~SJ~~24~123456789

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			SJ Service Provider		
			Identifies the ESCO/DERS participating in this transaction.		
Optional	**N102**	**93**	**Name**	**X**	**AN 1/60**
			Free Form ESCO/DERS Company Name		
			Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO/DERS. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.		
Must Use	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24 Employer's Identification Number		
			Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			The D-U-N-S number or the Federal Tax ID		

PROPOSED 814HU Modifications:

Segment:	**LIN** Item Identification	
Position:	010	
Loop:	LIN Optional (Must Use)	
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify basic item identification data	
Syntax Notes:	1	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1	LIN01 is the line item identification
Comments:	1	See the Data Dictionary for a complete list of IDs.
	2	LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	Request : Required	
	Response: Required	

Request only one action event per LIN Loop. The LIN01 contains a unique identifier for the action event. The LIN03 specifies the product (electric or gas) and the LIN05 specifies the type of service request. Only one Secondary LIN loop is allowed per request.

LIN~AACCDD0102005A~SH~EL~SH~HU   Request for Historic Usage
LIN~AACCDD0102006A~SH~EL~SH~GP   Request for Gas Profile

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**LIN01**	**350**	**Assigned Identification**	**O**	**AN 1/20**
			The identifier supplied in this element either by itself or in conjunction with the BGN02 element from the BGN segment must uniquely identify each LIN request. This identifier must be unique over time to ensure no ambiguity between requests and responses.		
Mand.	**LIN02**	**235**	**Product/Service ID Qualifier**	**M**	**ID 2/2**
			SH Service Requested		
Mand.	**LIN03**	**234**	**Product/Service ID**	**M**	**AN 1/48**

			Commodity - there may be only one commodity (Electric or Gas) for each 814 transaction.			
			EL			
			GAS			
Must Use	**LIN04**	**235**	**Product/Service ID Qualifier**		X	ID 2/2
			SH	Service Requested		
Must Use	**LIN05**	**234**	**Product/Service ID**		X	AN 1/48
			GP	Gas Profile		
				Request a 12 month forecasted gas delivery profile. Valid only when LIN03=GAS. Gas Profiles are not supported by all utilities. If a Gas Profile request is sent to a Utility that does not support gas profiles, the Utility will return Historic Usage, if available, in the 867 sent in response to the Gas Profile request. When supported, a GP request may still be rejected if there is insufficient data to develop a gas profile for that customer.		
			HU	Historic Usage		
				Request for Usage History. GAS note: Some utilities support a Gas Profile in lieu of actual history and will return a Gas Profile, if sufficient data exists, in the 867 sent in response to the request for Historic Usage.		
			HI	Historic Interval Usage		
				Request for Interval Usage History at the account level. Indicates an ESCO/DERS request to obtain historical interval usage information for this customer. If this customer account does not have interval meter, 867HU report will be provided without Interval Usage.		
			HG	Historic Interval Usage		
				Request for Interval Usage History at the meter detail level. Indicates an ESCO/DERS request to obtain historical interval usage information for this customer at the meter detail level. If this customer account does not have interval meter, 867HU report will be provided without Interval Usage.		

PROPOSED 814HU Modifications:

Segment:	**REF** Reference Identification (Reject Response Reasons)	
Position:	030	
Loop:	LIN	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Dependent)	
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:		

Request: Not Used
Reject Response: Required (ASI01 = U)
Other Responses: Not Used

REF~7G~HUR
REF~7G~CAB
REF~7G~A13~HU NOT SUPPORTED
To send additional system message in an 814 ACCEPT response, please refer to the
REF~1P segment.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		M	ID 2/3
			7G	Data Quality Reject Reason		
				Reason for Reject Response		
Must Use	**REF02**	**127**	**Reference Identification**		X	AN 1/30
			A13	Other		
				See REF03.		
			A76	Account # not valid		
			A91	Account does not have service requested		
				Requested commodity does not exist on account.		
			CAB	Customer Account Block		
			HUR	Historical Usage not Released		
			HUU	Historical Usage not Available		
				New Customer - No usage or non-usage information is available via EDI, e.g. this is a new customer. Limited non-usage information may exist; ESCOs and DERS should refer to the Utility Maintained EDI Guide to determine how to obtain information.		
Cond.	**REF03**	**352**	**Description**		X	AN 1/80
				Text information to clarify the reason for the reject response. REF03 must be sent when REF02 contains A13.		

PROPOSED 814HU Modifications:

Segment:	**REF** Reference Identification (ESCO Customer Account Number)
Position:	030
Loop:	LIN 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:	Request: Optional
	Response: Optional
	REF~11~A12345009Z

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			11 Account Number		
			Number identifies a telecommunications industry account		
			REF02 is the ESCO/DERS Assigned account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			ESCO/DERS Assigned account number for the customer.		

PROPOSED 814HU Modifications:

Segment:	**REF** Reference Identification (Utility Account Number for ESCO)	
Position:	030	
Loop:	LIN	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Dependent)	
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:

Request: Conditional
Response: Conditional

This segment is used to communicate an account number assigned by the Utility to the ESCO/DERS and may be sent with the mutual agreement of the parties.

REF~AJ~3134597

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
		AJ	Accounts Receivable Customer Account		
			REF02 contains the Utility assigned account number for the ESCO/DERS		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Utility account number for the ESCO/DERS		

PROPOSED 814HU Modifications:

EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the TS814 Consumption History Request & Response, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility, ESCO or DERS would map a specific transaction.

Scenario 1: Request for a Gas Profile

ST*814*0034/	Transaction Set header; transaction defined is an **814**; control number assigned by originator
BGN*13*20000301145101*20060608/	Transaction is a **Request**; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*1234467899/	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359/	Utility Name and DUNS number
N1*8R*CUSTOMER NAME/	Customer Name
LIN*AACCDD0102006A*SH*GAS*SH*GP/	Unique transaction reference number; service is **Gas**; request is for a **Gas Profile**
ASI*7*029/	Transaction is a **Request**; action is an **Inquiry**
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*10*0034/	Transaction Set trailer; segment count; control number

Scenario 1: Accept Response

ST*814*0034/	Transaction Set header; transaction defined is an **814**; control number assigned by originator
BGN*11*200106Q1145103*20060610***20000301145101/	Transaction is a **Response**; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*1234467899/	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006982359/	Utility Name and DUNS number
N1*8R*CUSTOMER NAME/	Customer Name
N3*136-39 41 AVE/	Customer Service Address-Street
N4*FLUSHING*NY*11355/	Customer Service Address-City/State
LIN*ZZXXYY0901001C*SH*GAS*SH*GP/	Unique transaction reference number; service is **Gas**; response pertains to **Request for Gas Profile**
ASI*WQ*029/	Status is **Accept**; action is an **Inquiry**
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*12*0034/	Transaction Set trailer; segment count; control number

PROPOSED 867HU Modifications:

		Notes pertaining to the use of this document
Purpose		• This 867 Transaction Set is used to return Historic Usage or Gas Profile information in response to an 814 Consumption History/Gas Profile Request or to a secondary request for history/gas profile data sent in an 814 Enrollment Request transaction. These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.
One account/one commodity per 867		• Each response will contain up to 24 months of consumption history for one account for one commodity (i.e. electric or gas). If a customer takes both electric and gas bundled service from the utility under a single account number, the ESCO/DERS must request history for each commodity in separate transactions (i.e. two 814 Consumption History Request transactions or two 814 Enrollment Request transactions). If the requests are valid, the Utility will respond with two 867 transactions – one for each commodity.
All meters per account		• When an ESCO requests consumption history for electric service on an account, the response will contain history data for all electric meters, and/or all unmetered electric service on the account. Similarly, when a request for consumption history is received for gas service on an account, the response will contain history data or gas profile(s) for all gas meters on the account.
Historic usage		• The responses reflected in this Implementation Guide are for history data or gas profile data. Each utility may elect to support gas profile requests and the details of a utility's gas profile implementation will be explained in its Utility Maintained EDI Guide. The history data is billing period information for the previous 24 months, or life of the account, whichever is shorter. The gas profile data is a weather normalized forecast for a 24 month period. If a gas profile is requested from a utility that does not support gas profiles, the 867 response will contain historic gas usage.
Interval Data		➢ Except in cases where the utility provides Historic Interval Usage using the 867 HIU transaction, consumption will be transmitted on an 867 in summarized form as used for billing. Actual interval data, if not provided via an 867 MIU transaction, will be made available upon request in a non-EDI format.

Description of PTD Loops	• Each PTD loop must contain the Utility Rate Service Class, Rate Sub Class (if applicable) and Load Profile code (for electric service) associated with the usage being sent. • Responses to requests for historic usage may contain one or more PTD loops depending upon the type of data being sent. Summarized metered consumption is sent in PTD*BO loops; summarized unmetered consumption data is sent in PTD*BC loops; and detailed consumption by meter will be sent in PTD*BQ loops. These PTD segments will contain multiple QTY loops for usage data by period start and end dates. The data provided is data as available from the utility's Customer Information System. See examples at the back of this Implementation Guide. • Two PTD loops will be used to transmit Gas Profile data. The PTD*BG segment will contain gas profile factors in a series of QTY loops. The PTD*SM segment contains the gas profile data. The profile data will be sent in multiple PTD*SM loops – one for each forecast. See examples at the back of this Implementation Guide. • The PTD*FG (Additional Information) loop will be used to transmit additional information such as ICAP Tag and customer information.
Data Element Attributes	• Data elements whose X12 attribute type is 'R' (for example the QTY02 or AMT02 elements) are treated as real numbers. 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; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
Definitions	• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The term DERS is used to describe a Distributed Energy Resource Supplier. The principal parties involved in this Transaction Set 814 implementation guide are: ➢ The end-use customer (Code 8R) ➢ The Utility (LDC) (Code 8S) ➢ The Supplier (ESCO or DERS) (Code SJ). ➢ The terms Usage, Consumption, and Data used in this document refer to the calculated amount of the commodity (kWh, therms, etc.) used for utility billing.
Companion Documents	• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the Usage Business Processes – Historical document and the data dictionary for the TS867 Consumption History/Gas Profile should be reviewed where further clarification is needed.

PROPOSED 867HU Modifications:

Segment:	**N1** Name (ESCO)	
Position:	080	
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:	Required	
	N1~SJ~~24~163456789	

Data Element Summary

Mand.	Ref. Des.	Data Element	Name		Attributes
Mand.	**N101**	**98**	**Entity Identifier Code**		**M ID 2/3**
			SJ	Service Provider	
				Identifies the ESCO/DERS participating in this transaction.	
	N102	**93**	**Name**		**X AN 1/60**
			Free Form ESCO/DERS Company Name		
			Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO/DERS. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.		
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet	
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			24	Employer's Identification Number Federal Tax ID	
Must Use	**N104**	**67**	**Identification Code**		**X AN 2/80**
			The D-U-N-S number or the Federal Tax ID		

PROPOSED 867HU Modifications:

Segment:	**REF** Reference Identification (Gas Pool ID)
Position:	120
Loop:	N1 Optional (Must Use)
Level:	Heading
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:	Conditional

Optional - where supported by a utility for Gas accounts as detailed in its Utility Maintained EDI Guide. If requested by an ESCO not currently supplying the customer, the utility may send a gas supply area designation. If requested by an ESCO currently supplying the customer, the utility may send the Gas Pool ID to which the customer is assigned or a gas supply area designation. The Gas Pool ID should not be sent to the DERS.

REF~VI~211234567
REF~VI~TGP ZONE

Data Element Summary

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

  Code qualifying the Reference Identification
     VI   Pool Number

Gas Pool IDs are assigned to a gas marketer by the Utility and are used to define a unique sub-grouping of customers.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**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

Gas Pool ID or supply area associated with the customer.

PROPOSED 867HU Modifications:

Segment:	**REF** Reference Identification (Utility Tax Exempt Status)
Position:	030
Loop:	PTD Optional (Dependent)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	20
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:	Required

The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO/DERS to bill the customer for ESCO/DERS services. The ESCO/DERS should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.
REF~TX~Y

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			TX Tax Exempt Number		
			Indicates the Utility's Tax Exemption Status at the time the transaction is created.		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			N No, the customer is fully taxed for distribution charges at the time the transaction is created.		
			Y Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.		

PROPOSED 867HU Modifications:

EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the TS867 Consumption History/Gas Profile, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility, ESCO or DERS would map a specific transaction.

Response to Request for Historical Usage for Gas (NGRID-NY)

ST*867*0003/	Transaction Set header; transaction defined is an 867; control number assigned by originator
BPT*52*2014091030326001*20140910*DD/	Transaction is a Response to Historical Inquiry; Unique id number for this transaction; transaction creation date; Report type is Historic Usage
N1*SJ*ESCO NAME*24*110584613/	ESCO/DERS Name and Tax ID number
N1*8S*NGRID NY DOWNSTATE-NY*1*178077227/	Utility Name and DUNS number
N1*8R*CUSTOMER NAME/	Customer Name
REF*12*2051354580/	Utility assigned account number for the customer
PTD*BG***OZ*GAS	PTD loop contains Gas Profile Factors; service is Gas
DTM*193*20140801	Date gas profile factors were calculated for this account
DTM*629*20140131	Date customer initiated service at the address associated with this account
REF*NH*T1B	Utility Rate Service Class
QTY*1Y*1.43*TD	Customer's non-heating load factor; unit is TD
QTY*FJ*.2229*TD	Customer's weather normalized load factor; unit is TD
QTY*LP*.27*TD	Ratio of non-heating to heating daily demand; unit is TD
QTY*LH*1.53*TD	Factor for lost & unaccounted for gas used in calculating the gas profile; unit is TD
PTD*BQ***OZ*GAS	This PTD loop pertains to Metered Consumption Detail; Service is Gas
REF*MG*000114739	Meter Number
REF*NH*T1B	Utility Rate Class
QTY*FL*1	Historic usage in this QTY loop is from one service delivery point
MEA*AN*PRQ*39*TD	Consumption reported is actual; quantity measured is 39; unit is TD
DTM*150*20140527	Measurement period start date for this QTY loop
DTM*151*20140624	Measurement period end date for this QTY loop
QTY*FL*1	Historic usage in this QTY loop is from one service delivery point
MEA*AN*PRQ*58*TD	Consumption reported is actual; quantity measured is 58; unit is TD
DTM*150*20140430	Measurement period start date for this QTY loop
DTM*151*20140527	Measurement period end date for this QTY loop

PROPOSED 867HIU Modifications:

		Notes pertaining to the use of this document
Purpose		• This implementation guide describes the format and content for an 867 transaction containing historic interval usage data by account. This transaction will be sent to the ESCO of record, subsequent to enrollment. • The 867 Historic Interval Usage Transaction is an optional transaction. The initial release reflects the business requirements and systems capabilities of the utility(ies) requesting development of the transaction. To the extent other utilities elect to support the transaction, it is anticipated that other modifications to this transaction may be proposed.
		• Release 1.0 will be supported by Consolidated Edison and Orange & Rockland. References to Utility Maintained EDI Guides are placeholders; for the purpose of this release it should be presumed that these utilities are exercising the option provided in the note. For example, that note "If it is possible to have an interval and non-interval meter on the same account within its service territory, the utility will specify such in its Utility Maintained EDI Guide" should be read as "Con Ed may have interval and non-interval meters on the same account".
		• The will not be a separate Business Process document for this transaction; it will be addressed as a sub-process in the 867HU Business Process document.
Definitions		• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The term DERS is used to describe a Distributed Energy Resource Supplier. The principal parties involved in this Transaction Set 867 implementation guide are: ➢ The end-use customer (Code 8R) ➢ The Utility (LDC) (Code 8S) ➢ The Supplier (ESCO or DERS) (Code SJ).

PROPOSED 867HIU Modifications:

Segment:	**N1** Name (ESCO)
Position:	080
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:	Required
	N1~SJ~~24~163456789

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	N101	98	**Entity Identifier Code**		M ID 2/3
			SJ	Service Provider	
				Identifies the ESCO/DERS participating in this transaction.	
	N102	93	**Name**		X AN 1/60
			Free Form ESCO/DERS Company Name		
			Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO/DERS. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.		
Must Use	N103	66	**Identification Code Qualifier**		X ID 1/2
			1	D-U-N-S Number, Dun & Bradstreet	
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			24	Employer's Identification Number	
			Federal Tax ID		
Must Use	N104	67	**Identification Code**		X AN 2/80
			The D-U-N-S number or the Federal Tax ID		

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PROPOSED 867HIU Modifications:

Segment:	**REF** Reference Identification (Gas Pool ID)
Position:	120
Loop:	N1 Optional (Must Use)
Level:	Heading
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:	Conditional

Optional - where supported by a utility for Gas accounts as detailed in its Utility Maintained EDI Guide. If requested by an ESCO not currently supplying the customer, the utility may send a gas supply area designation. If requested by an ESCO currently supplying the customer, the utility may send the Gas Pool ID to which the customer is assigned or a gas supply area designation. The Gas Pool ID should not be sent to the DERS.

REF~VI~211234567
REF~VI~TGP ZONE

Data Element Summary

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

Code qualifying the Reference Identification
   VI   Pool Number

Gas Pool IDs are assigned to a gas marketer by the Utility and are used to define a unique sub-grouping of customers.

	Ref. Des.	Data Element	Name	Attributes	
Must Use	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
Gas Pool ID or supply area associated with the customer.

PROPOSED 867HIU Modifications:

Segment:	**REF** Reference Identification (Utility Tax Exempt Status)
Position:	030
Loop:	PTD Optional (Dependent)
Level:	Detail
Usage:	Optional (Dependent)
Max Use:	20
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:	Required

The Utility Tax Exempt Status signifies the existence of exemptions and/or certifications, if any, held by the utility, that are used to bill the customer for utility services. The indicator is informational only; the utility's exemption is not transferable to the ESCO/DERS to bill the customer for ESCO/DERS services. The ESCO/DERS should not rely upon the utility's information for billing purposes and should contact the customer to obtain necessary information consistent with the requirements of the New York State Department of Taxation & Finance and any applicable laws.
REF~TX~Y

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
		TX	Tax Exempt Number			
			Indicates the Utility's Tax Exemption Status at the time the transaction is created.			
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
		N	No, the customer is fully taxed for distribution charges at the time the transaction is created.			
		Y	Yes, customer has some level of tax exemption for distribution charges at the time the transaction is created.			

PROPOSED 867HIU Modifications:

Segment:	**REF** Reference Identification (Utility Discount Indicator)
Position:	030
Loop:	PTD Optional (Dependent)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	20
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:	Conditional

Required for non-residential accounts where the customer receives a commodity discount from the utility or a delivery discount that is dependent upon purchase of commodity from the utility. Further, the indicator should be set to "N" in cases where all non-residential customers in a rate class or service receive the same discount or when the delivery discount is portable, i.e. it applies whether the customer purchases commodity from the ESCO/DERS or the utility.

REF~SG~Y

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes	
Mand...	**REF01**	**128**	**Reference Identification Qualifier**			**M**	**ID 2/3**
			SG	Savings			
				Utility Discounts/Incentive Rate			
Must Use	**REF02**	**127**	**Reference Identification**			**X**	**AN 1/30**
			N	No, there are not Utility Discounts/Incentive Rates			
			Y	Yes, there are Utility Discounts/Incentive Rates			

PROPOSED 867HIU Modifications:

EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for the <u>TS867 Historic Interval Usage</u>, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility, ESCO <mark>or DERS</mark> would map a specific transaction.

Response to Request for Historic Interval Usage - Multi-Meter account

PTD*PM***OZ*EL~	Row 41
DTM*150*20150212~	Row 46
DTM*151*20150316~	
REF*MG*5~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
QTY*QD*45*KH~	
DTM*582*20150213*0015*ED~	
QTY*QD*57*KH~	
DTM*582*20150213*0030*ED~	
QTY*QD*65*KH~	
DTM*582*20150213*0045*ED~	Repeat for bill period (Row 46 to 47)
PTD*PM***OZ*EL~	
DTM*150*20150316~	Row 60
DTM*151*20150414~	
REF*MG*5~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
QTY*QD*35*KH~	
DTM*582*20150316*0015*ED~	
QTY*QD*57*KH~	
DTM*582*20150316*0030*ED~	
QTY*QD*65*KH~	

DTM*582*20150316*0045*ED~	Repeat for bill period (Row 60 to 61)
PTD*PM***OZ*EL~	
DTM*150*20150212~	Row 74
DTM*151*20150316~	
REF*MG*6~	
REF*NH*8~	
REF*PR*LO N 50~	
REF*LO*143.4~	
QTY*QD*43*KH~	
DTM*582*20150213*0015*ED~	
QTY*QD*52*KH~	
DTM*582*20150213*0030*ED~	
QTY*QD*57*KH~	
DTM*582*20150213*0045*ED~	Repeat for bill period (Row 74 to 75)