New York Implementation Standard

For

Standard Electronic Transactions

TRANSACTION SET

814

Consumption History Request & Response

Ver/Rel 004010

DRAFT

October 23, 2014
Version 1.3

		Summary of Changes
July 20, 2001		**Version 1.0** **Initial Release**
August 7, 2002		**Version 1.1 Issued.**
		Inserted updated Field Descriptions Guideline Page
		Added new REF segment (REF*AJ) to accommodate exchange of a Utility Account Number for the ESCO/Marketer
		Example is revised to display use of REF*AJ in an accept response transaction.
		Changed the LIN Loop repeat from >1 to 1. There can only be one request and one response LIN in this transaction.
June 20, 2006		**Version 1.2 Issued**
		The "All meters per Account" section of the Front Matter Notes is revised to indicate that an ESCO/Marketer may separately enroll the un-metered electric service for accounts in Orange & Rockland's service territory where both metered and un-metered electric service are present on the account. To separately enroll the un-metered service the REF03 element must be present in the REF*12 (Utility Account Number) segment.
		The "Fees" section of the Front Matter Notes is deleted. Prior to November 21, 2003 fees could be assessed for requests for history data under specific conditions. To accommodate fees, a REF*93 (Fee Approved/Fee Applied) segment was required to be sent in the LIN loop containing requests for historic usage (HU) or a gas profile (GP) to indicate whether the E/M was willing to pay a fee for the data if one was applicable. Under the current Uniform Business Practices fees may no longer be assessed for satisfying EDI requests for consumption history.
		The usage attribute for the N3/N4 segments (Service Address) in an N1*8R (Customer) Loop is revised from Optional to Conditional in Accept Responses to comply with the Uniform Business Practices (Section 4, C.2.a.1.).
		The FNA code (Fee Not Authorized) is deleted from the list of possible reject reason codes in the REF*7G segment (Reject Response Reasons) and the REF*93 (Fee Approved/Fee Applied) segment is deleted from the standard. Fees are no longer being assessed for consumption history provided via EDI.
		The REF*93 (Fee Approved/Fee Applied) segment is deleted. Fees are no longer being assessed for consumption history provided via EDI.
		A REF03 element is added to the REF*12 segment (Utility Account Number) for use on Enrollment Requests sent to, or received from, Orange & Rockland Utilities when the transaction pertains to enrolling the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account.
		All dates in segment or element notes and in examples have been updated to reflect 2006 dates.
		Examples have been updated to reflect revised structure.

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October 23, 2014		Version 1.3
		Case - 12-M-0476 Added code “CAB” for Enrollment Block and/or Historical Block response in REF*7G. Detail Notes in REF*7G segment. Added new segment REF*1P (Response Information or Warnings). This segment will be send if the historical response is an accept, only the PTD*FG information is available in the 867HU.
		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.

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		Notes pertaining to the use of this document
Purpose		• This 814 Consumption History Transaction Set is used to request either electric or gas history on a customer's account. A request for a customer's history data may also be made in conjunction with an enrollment request (See the NY 814 Enrollment Transaction Implementation Guide). These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.
One account per 814		• Each transaction may contain only one account for one commodity (i.e. electric or gas). ESCO's who want to receive a customer's consumption history for both electric and gas service must transmit two 814 history requests – one for the electric history and another for the gas history.
All meters per account		• Except for requests sent to a utility that supports separate enrollment of the un-metered electric service for accounts, an EDI request for consumption history is a request for history data for all service delivery points (metered and/or un-metered) for the account requested for the commodity indicated. • In a service territory where the utility supports separate enrollment of the un-metered electric service for accounts, when both metered and un-metered electric service is present on an account, an ESCO may separately request consumption history for the electric un-metered service on an account when both metered and un-metered service are present on the same account. To request consumption history only for the un-metered service on the account the REF03 element in the REF*12 (Utility Account Number) segment should be transmitted.
Validation Fields		• Transactions will be validated based on the customer's utility account number (with check digit, if included).
814 Response is Required		• The Utility must return an 814 response, either positive or negative, for each history request received.
Cross referencing Request and Response transactions		• The BGN02 element in the BGN segment received on a Request transaction must be returned in the BGN06 element of the BGN segment sent in the Response transaction. There must be one Response LIN for each Request LIN sent. The response to LIN loop on the Request must be uniquely identified in the LIN loop on the Response with the same identification sent in the request LIN01.

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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 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 ESCO) (Code SJ).

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Companion Documents		• All of the business rules applicable to consumption history requests in New York are not necessarily documented in this implementation guide. Accordingly, the following documents should be reviewed where further clarification is necessary: ➢ Business Processes – Consumption History ➢ TS814 Consumption History Request & Response Data Dictionary ➢ TS814 Enrollment Request & Response Implementation Guide.

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Implementation Guideline Field Descriptions

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, "Optional (Must Use)" means that this segment is Optional for X12, but is required in NY. "Optional (Dependent)" means Optional for X12, but use is conditional in NY. The gray boxes below should also be reviewed for additional NY Rules.

Segment: **REF** **Reference Identification (Utility Customer Account Numb**
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:

Notes: Required

The Utility account number assigned to the customer is used for validation and must be present on all transactions.

REF~12~011231287654398

This section displays the NY Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref Des.	Data Element	Name		X12 Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			12	Billing Account REF02 contains the Utility-assigned acc[illegible] number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**			**AN 1/30**
			Utility assigned customer account number The utility account number must be suppl[illegible] non-alphanumeric characters. (Characters [illegible] on a bill, for example, should be removed			

This column documents differences between X12 and NY use for each data element:

Mand. (Mandatory) – Required by X12
Must Use – Required by NY
Cond. (Conditional)
Optional

These columns show the X12 attributes for each data element:

M = Mandatory
O = Optional
X = Conditional

AN = Alphanumeric
N# = Implied Decimal
ID = Identification
R = Real
DT = Date (CCYYMMDD)

1/30 = Minimum 1, Maximum 30

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814 Consumption History Request and Response

Functional Group ID=GE

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the General Request, Response or Confirmation Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to request actions to be performed, to respond to a request for actions to be performed or to confirm information related to actions performed.

Notes:

A request for a customer's history data may be included as a secondary request in a TS 814 enrollment request for that customer or as a separate stand-alone request. This guideline is limited to such stand-alone requests for either historic consumption (the HU request) OR a gas profile (the GP request).

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
2	010	ST	Transaction Set Header	M	1		
3	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
4	040	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
5	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
6	040	N1	Name (Customer)	O	1		
7	050	N3	Address Information (Service Address)	O	1		
8	060	N4	Geographic Location (Service Address)	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			1	
9	010	LIN	Item Identification	O	1		
vi	020	ASI	Action or Status Indicator	O	1		
12	030	REF	Reference Identification (Reject Response Reasons)	O	>1		
13	030	REF	Reference Identification (Response Information or Warnings)	O	1		
14	030	REF	Reference Identification (ESCO Customer Account Number)	O	1		
15	030	REF	Reference Identification (Utility Account Number)	O	1		
16	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
17	030	REF	Reference Identification (Utility Account Number for ESCO)	O	1		
18	150	SE	Transaction Set Trailer	M	1		
E-1			Examples				

Transaction Set Notes

1. The N1 loop is used to identify the parties to this transaction.
2. The LIN loop is used to transmit account level data.

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Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Notes: Request: Required
Response: Required

ST~814~0001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**ST01**	**143**	**Transaction Set Identifier Code** 814 General Request, Response or Confirmation	**M**	**ID 3/3**
Mand.	**ST02**	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.	**M**	**AN 4/9**

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Segment: **BGN** **Beginning Segment**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes:
1 If BGN05 is present, then BGN04 is required.
Semantic Notes:
1 BGN02 is the transaction set reference number.
2 BGN03 is the transaction set date.
3 BGN04 is the transaction set time.
4 BGN05 is the transaction set time qualifier.
5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments:
Notes:
Request: Required
Response: Required

Request: BGN~13~20060301145101~20060301
Response: BGN~11~20060402072434~20060302~~~20060301145101

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**BGN01**	**353**	**Transaction Set Purpose Code** 11 Response 13 Request	**M**	**ID 2/2**
Mand.	**BGN02**	**127**	**Reference Identification** A unique transaction identifier assigned by the originator of this transaction. The BGN02 element from a request transaction is placed in the BGN06 element on the transaction sent in response to the request. This number must be unique over time.	**M**	**AN 1/30**
Mand.	**BGN03**	**373**	**Date** The date the transaction was created by the sender's application system in the form CCYYMMDD.	**M**	**DT 8/8**
Cond.	**BGN06**	**127**	**Reference Identification** This is the BGN02 identification number sent in the original Request. This element is not used on a Request but is required on a Response.	**O**	**AN 1/30**

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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 participating in this transaction.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			Free Form ESCO Company Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO. 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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Segment: **N1** **Name (Utility)**
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

N1~8S~UTILITY NAME~1~012345678

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			8S	Consumer Service Provider (CSP)		
				Identifies the Utility participating in this transaction.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			Free Form Utility Company Name Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. 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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Segment: **N1** **Name (Customer)**
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the customer in this transaction.
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: Optional
Accept Response: Conditional
Other Responses: Not Used

N1~8R~NAME
N1~8R~MARY SMITH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code** 8R Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.	**M**	**ID 2/3**
Must Use	**N102**	**93**	**Name** Supplemental text information that may be supplied to provide "eyeball" identification of the customer in this transaction. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners. Some utilities may not provide the actual customer name but will send the literal 'NAME' in this position. To ensure compliance with ANSI X12 requirements, this segment must be sent in an Accept Response when the Response contains service address information (see segments N3 and N4).	**X**	**AN 1/60**

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Segment: **N3** **Address Information (Service Address)**
Position: 050
Loop: N1 Optional
Level: Heading
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: Request : Not Used
Accept Response: Conditional
Other Responses: Not Used

N3~123 N MAIN ST~Service Address Overflow

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**N301**	**166**	**Address Information**	**M**	**AN 1/55**
			Customer Service Address		
Cond.	**N302**	**166**	**Address Information**	**O**	**AN 1/55**
			Service address overflow		

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Segment: **N4** **Geographic Location (Service Address)**
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Request: Not Used
Accept Response: Conditional
Other Responses: Not Used

N4~MYCITY~NY~19123
N4~MYCITY~NY~191230123

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N401**	**19**	**City Name**	**O**	**AN 2/30**
Optional	**N402**	**156**	**State or Province Code**	**O**	**ID 2/2**
Must Use	**N403**	**116**	**Postal Code**	**O**	**ID 3/15**

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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.

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		

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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.		

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Segment: **ASI** **Action or Status Indicator**
Position: 020
Loop: LIN Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To indicate the action to be taken with the information provided or the status of the entity described
Syntax Notes:
Semantic Notes:
Comments:
Notes: Request: Required
Response: Required

Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment.

ASI~7~029 Request
ASI~WQ~029 Accept Response
ASI~U~029 Reject Response

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**ASI01**	**306**	**Action Code**		**M**	**ID 1/2**
			7	Request		
			AC	Acknowledge This code is sent to acknowledge receipt of a request for historic usage or gas profile for an account that is traditionally processed 'off-line'. A response for these requests will be sent via non-EDI means.		
			U	Reject Inability to accept for processing due to the lack of required information		
			WQ	Accept		
Mand.	**ASI02**	**875**	**Maintenance Type Code**		**M**	**ID 3/3**
			029	Inquiry		

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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			
			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 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.			

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Segment: **REF** **Reference Identification (Response Information or Warnings)**
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.
Notes:
Request: Not used
Response: Conditional
REF~1P~HUL

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			1P	Accessorial Status Code Warnings or information associated with an accepted status notification		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			A13	Other See REF03.		
			HUL	Historical Usage Limited This is limited to the PTD*FG loop in the 867HU transaction. i.e. no usage data to be reported or exchanged.		
Cond.	**REF03**	**352**	**Description**		**X**	**AN 1/80**
			Additional text information may be sent in REF03 to clarify the details of an Accept Response. REF03 must be sent when REF02 in this segment contains A13 or API.			

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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 Assigned account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			ESCO Marketer Assigned account number for the customer.			

DRAFT

Segment: **REF** **Reference Identification (Utility Account Number)**
Position: 030
Loop: LIN Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:
Request: Required
Response: Required

REF~12~011231287654398

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			12	Billing Account REF02 is the Utility-assigned account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Utility Assigned Account Number The utility account number must be supplied without intervening spaces or non- alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)			
Cond.	**REF03**	**352**	**Description**		**X**	**AN 1/80**
			Where a utility supports separate enrollment of the un-metered electric service for accounts, the REF03 element in the REF*12 segment should only be sent to, or received by, when the commodity indicated in the LIN segment is Electric but the request pertains only to the un-metered portion of the electric service on the account. This element should not be sent when the LIN request pertains to all electric service on the account.			
			U	Un-Metered Service		

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Segment: **REF** **Reference Identification (Previous Utility Account Number)**
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
Accept Response: Required when the utility assigned account number for the customer has changed in the last 90 days.

REF~45~9194132485705971

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			45	Old Account Number REF02 is the Utility's previous account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Previous Utility account number for the customer. This segment would be sent, for example, when a change in meter reading routes results in a change in the account number assigned to the customer.			

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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 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		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Utility account number for the ESCO			

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Segment: **SE** **Transaction Set Trailer**
Position: 150
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: Request: Required
Response: Required

SE~37~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
Mand.	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

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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 or ESCO 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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	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***2000030 1145101/	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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	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

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Scenario 1: Reject 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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	Customer Name
LIN*ZZXXYY0901001C*SH*GAS*SH*GP/	Unique transaction reference number; service is ***Gas***; response pertains to ***Request for Gas Profile***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*A13*NO DATA FOR GP SEND HU REQ/	Reject reason code and qualifier
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*11*0034/	Transaction Set trailer; segment count; control number

Scenario 2: Request for Historic Usage

ST*814*0039/	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*006749723/	ESCO Name and DUNS number
N1*8S*ROCHESTER G&E*24*160612110/	Utility Name and Tax Id number
N1*8R*INCORPORATED VILLAGE OF FAIRPORT/	Customer Name
LIN*AACCDD0102006A*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; request is for ***Historic Usage***
ASI*7*029/	Status is ***Request***; action is an ***Inquiry***
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*96135/	Utility assigned account number for the customer
SE*10*0039/	Transaction Set trailer; segment count; control number

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Scenario2: Accept Response

ST*814*0041/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*20010610E96135*20060610***20000301145101/	Transaction is a ***Request***; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*006749723/	ESCO Name and DUNS number
N1*8S*ROCHESTER G&E*24*160612110/	Utility Name and Tax Id number
N1*8R*INCORPORATED VILLAGE OF FAIRPORT/	Customer Name
N3*1001 SCOTTSDALE RD/	Customer Service Address - Street
N4*ROCHESTER*NY*14624-5121/	Customer Service Address – City/State
LIN*HUE9613520010610A*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; request is for ***Historic Usage***
ASI*WQ*029/	Status is ***Accept***; action is an ***Inquiry***
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*96135/	Utility assigned account number for the customer
SE*12*0041/	Transaction Set trailer; segment count; control number

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Scenario 2: Reject Response

ST*814*0045/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*20010610E96135*20060610***20000301145101/	Transaction is a ***Response***; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*006749723/	ESCO Name and DUNS number
N1*8S*ROCHESTER G&E*24*160612110/	Utility Name and Tax Id number
LIN*HUE9613520010610A*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; response pertains to ***Request for Historic Usage***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*HUR/	Reject reason code – ***Historic Usage Not Released***
REF*11*A123450009Z/	ESCO assigned account number for the customer
REF*12*96135/	Utility assigned account number for the customer
SE*13*0045/	Transaction Set trailer; segment count; control number

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Scenario 2: Reject Response – to enrollment block and historical block

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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	Customer Name
LIN*ZZXXYY0901001C*SH*GAS*SH*GP/	Unique transaction reference number; service is ***Gas***; response pertains to ***Request for Gas Profile***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*CAB/	Reject Reason for Enrollment Block
REF*7G*HUR/	Reject Reason for Historical Block
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*11*0034/	Transaction Set trailer; segment count; control number

Scenario 3: Request for Historic Usage

ST*814*0040/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*13*20000301145101*20010608/	Transaction is a ***Request***; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*745862317/	ESCO Name and DUNS number
N1*8S*NYSEG*1*006977763/	Utility Name and DUNS number
N1*8R*City of Cortland/	Customer Name
LIN*AACCDD0102006A*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; request is for ***Historic Usage***
ASI*7*029/	Status is ***Request***; action is an ***Inquiry***
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*158103080400027/	Utility assigned account number for the customer
SE*10*0040/	Transaction Set trailer; segment count; control number

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Scenario 3: Acknowledge Response

ST*814*0042/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*158103080400027E0610A*20060610***20000301145101/	Transaction is a ***Request***; Unique id number for this transaction; transaction creation date
N1*SJ*ESCO NAME*1*745862317/	ESCO Name and DUNS number
N1*8S*NYSEG*1*006977763/	Utility Name and DUNS number
LIN*1581030800400027HRSP*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; request is for ***Historic Usage***
ASI*AC*029/	Request is ***Acknowledged***; action is an ***Inquiry***
REF*11*A123450009Z/	ESCO assigned account number for the customer
REF*12*158103080400027/	Utility assigned account number for the customer
REF*45*158100980400027/	Previous Utility account number for this customer
REF*AJ*3134597/	Utility Account Number for ESCO
SE*11*0042/	Transaction Set trailer; segment count; control number

Scenario 3: Reject Response

ST*814*0046/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*158103080400027E0610A*20060614***20000301145101/	Transaction is a ***Response***; Unique id number for this transaction; transaction creation date; BGN02 from Request transaction
N1*SJ*ESCO NAME*1*745862317/	ESCO Name and DUNS number
N1*8S*NYSEG*1*006977763/	Utility Name and DUNS number
LIN*1581030800400027HRSP*SH*EL*SH*HU/	Unique transaction reference number; service is ***Electric***; response pertains to ***Request for Historic Usage***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*A91/	Reject reason code – **No Electric Service on this account**
REF*11*A123450009Z/	ESCO assigned account number for the customer
REF*12*158103080400027/	Utility assigned account number for the customer
SE*13*0046/	Transaction Set trailer; segment count; control number

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Scenario 4: 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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	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 4: Reject Response – Combination Block of Enrollment Request and Historical Request

ST*814*0034/	Transaction Set header; transaction defined is an ***814***; control number assigned by originator
BGN*11*200106Q1145103*20060610***2000030 1145101/	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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	Customer Name
LIN*ZZXXYY0901001C*SH*GAS*SH*GP/	Unique transaction reference number; service is ***Gas***; response pertains to ***Request for Gas Profile***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*CAB/	Reject Reason for Enrollment Block and Historical Block
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*11*0034/	Transaction Set trailer; segment count; control number

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Scenario 4: Reject Response – to enrollment block and historical block

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*CON EDISON*1*006982359/	Utility Name and DUNS number
N1*8R*MARY SMITH/	Customer Name
LIN*ZZXXYY0901001C*SH*GAS*SH*GP/	Unique transaction reference number; service is ***Gas***; response pertains to ***Request for Gas Profile***
ASI*U*029/	Status is ***Reject***; action is an ***Inquiry***
REF*7G*CAB/	Reject Reason for Enrollment Block
REF*7G*HUR/	Reject Reason for Historical Usage not Released
REF*11*A12345009Z/	ESCO assigned account number for the customer
REF*12*2339393600100025/	Utility assigned account number for the customer
SE*11*0034/	Transaction Set trailer; segment count; control number

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