Illinois

Implementation Guide For Electronic Data Interchange

Summary of Changes

- Initial Release.

- **Change Control #016** – Updated POR Eligibility Group Codes.

- **Change Control #040** – Added requirements for Ameren Gas

- **Change Control #048** – Modified requirements to allow Gas Suppliers to request Historical Interval Usage.

Implementation Notes

Transaction Reference Numbers

- On the Request, the Transaction Reference Number in the BGN02 must be unique over time. This number will be returned in the BGN06 of the Response transaction.

LIN01 Reference Numbers

- On the Request, the identifier in the LIN01 element either by itself, or in conjunction with the BGN02 element from the BGN segment, must uniquely identify each LIN request item over time. This number will be returned on the Response transaction in the same element.

Definition of Mass Market Customers

- Ameren Mass Market
  - Electric - Includes any account containing one or more of only the following types of service points: DS-1 (residential), DS-2 (small commercial < 150 kW) or DS-5 (lighting).
  - Gas – Includes any account containing one or more of only the following types of service points: GDS-1 (residential) and GDS-2 (small general gas delivery - provided that GDS-2 service point(s) are not on the Rider T gas transportation option).

- ComEd Mass Market – Includes all residential and commercial customers under 100 kW.

Definition of Service Point

- Ameren's systems operate at a Service Point level. A service point consists of metered or unmetered load that is assigned to a specific Ameren rate. A service point containing metered load can have one or more meters associated with it. An Ameren account may have multiple electric service points associated with it. For Mass Market accounts, the Retail Electric Supplier/Gas Supplier (RES/GS) is required to take all service points on the account that is being enrolled. For Non-Mass Market accounts, the RES/GS may choose which Service Points to serve. It is important to follow the requirements in each Implementation Guide to differentiate when a Service Point Identifier may or may not be sent.

- ComEd operates at an Account Level only.

814 HU Requests at Account Level Only

- The Service Point Identifier (REF*LU) was not included in the Request transaction because Ameren only allows Historical Usage to be requested at an account level. If it was provided on the Request transaction, it will be ignored.

- Service Point Numbers will be included in the Response transaction for Ameren Non-Mass Market accounts.

- All 867 Historical Usage transactions will be sent at the Service Point Level. If multiple Service Points exist, one 867 will be sent for each Service Point.

HU vs. HI

- If a RES/GS requests Historical Usage (LIN05 = "HU"), the utility will send the 867 Historical Usage transaction.

- If a RES/GS requests Historical Interval Usage (LIN05 = "HI"), they will receive the interval details as described below.

- If a RES/GS requests Historical Interval Usage (LIN05 = "HI"), and the account does not contain Interval meters, the utility will send the 867 Historical Usage transaction.

Historical Interval Usage	• Ameren allows for Historical Interval Usage to be requested via EDI and the data will be returned via an EDI 867 Historical Usage transaction including PTD Loops SU, BQ and FG.
	• ComEd allows for Historical Interval Usage to be requested via EDI and the 814 HU Response will contain a link where the information may be downloaded. Any applicable charges are applied to the RES non-service account.
One Commodity per Transaction	• Each submitted transaction may be valid for only one commodity (i.e., electric or gas).

814 General Request, Response or Confirmation

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.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			>1	
	040	N1	Name	O	1		n1

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID – LIN			>1	
	010	LIN	Item Identification	O	1		
	020	ASI	Action or Status Indicator	O	1		
	030	REF	Reference Identification	O	>1		
			LOOP ID - NM1			>1	
	080	NM1	Individual or Organizational Name	O	1		n2
	130	REF	Reference Identification	O	>1		
M	150	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The N1 loop is used to identify the transaction sender and receiver.
2. The NM1 loop is used to identify the parties associated with the individual line item (LIN), such as an individual consumer in a consolidated third party Consumer Service Provider transaction.

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:		Required ST~814~000000001		

Data Element Summary

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

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:	Required			
	BGN~11~20130531ABC0000000000000123456~20130531~~~20130531123000001			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BGN01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**
			Code identifying purpose of transaction set	
			11 Response	
Must Use	**BGN02**	**127**	**Reference Identification**	**M AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.	
			Transaction Reference Numbers will only contain uppercase letters (A to Z), digits (0 to 9), dashes (-) and periods (.). Note that all other characters (spaces, underscores, etc.) must be excluded.	
Must Use	**BGN03**	**373**	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
			The transaction creation date - the date that the data was processed by the sender's application system.	
Must Use	**BGN06**	**127**	**Reference Identification**	**O AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Transaction Reference Number from the BGN02 of the Request Transaction.	

Segment:	**N1** Name (Utility)	
Position:	040	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
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	
	N1~8S~UTILITY NAME~1~007909411	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			8S Consumer Service Provider (CSP)		
			Utility		
Must Use	**N102**	**93**	**Name**	**X**	**AN 1/60**
			Free-form name		
			Utility Name		
Must Use	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1 D-U-N-S Number, Dun & Bradstreet		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
Must Use	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
			Utility D-U-N-S or D-U-N-S+4 Number		

Segment:	**N1** Name (Retail Electric Supplier/Gas Supplier)		
Position:	040		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
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~RES/GS COMPANY~1~049612345		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			SJ Service Provider	
			Retail Electric Supplier (RES) or Gas Supplier (GS)	
Must Use	N102	93	**Name**	**X AN 1/60**
			Free-form name	
			RES/GS Name	
Must Use	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
Must Use	N104	67	**Identification Code**	**X AN 2/80**
			Code identifying a party or other code	
			RES/GS D-U-N-S or D-U-N-S+4 Number	

Segment:	**N1** Name (Customer)			
Position:	040			
Loop:	N1 Optional			
Level:	Heading			
Usage:	Optional			
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:	Accept Response: Required			
	Reject Response: Optional - Name may be echoed from the Request			
	N1~8R~CUSTOMER NAME			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			8R Consumer Service Provider (CSP) Customer	
			Customer Name	
Must Use	N102	93	**Name**	**X AN 1/60**
			Free-form name	
			Customer Name	

Segment:	**LIN** Item Identification
Position:	010
Loop:	LIN Optional
Level:	Detail
Usage:	Optional
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:		Required - Only one LIN Loop will be sent.

LIN~1~SH~GAS~SH~HU
LIN~1~SH~EL~SH~HI

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	LIN01	350	**Assigned Identification**	O	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set		
			The identifier provided in the LIN01 of the Request Transaction.		
Must Use	LIN02	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SH Service Requested		
Must Use	LIN03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			EL Electric		
			GAS Gas		
Must Use	LIN04	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SH Service Requested		
Must Use	LIN05	234	**Product/Service ID**	X	AN 1/48
			Identifying number for a product or service		
			HI Historical Interval Usage		
			HU Historical Usage		

Segment:	**ASI** Action or Status Indicator				

Segment: **ASI** Action or Status Indicator
Position: 020
Loop: LIN   Optional
Level: Detail
Usage: Optional
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: Required

ASI~WQ~029

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ASI01	306	Action Code	M	ID 1/2
			Code indicating type of action		
			U Reject		
			WQ Accept		
Must Use	ASI02	875	Maintenance Type Code	M	ID 3/3
			Code identifying the specific type of item maintenance		
			029 Inquiry		

Segment:	**REF** Reference Identification (RES/GS Account Number)
Position:	030
Loop:	LIN Optional
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:	Required if provided on the 814 Historical Usage Request.
	REF~11~1234567890

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		
			11	Account Number	
				Retail Electric Supplier (RES) or Gas Supplier (GS) Account Number	
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		
			RES/GS Account Number		

			Segment:	**REF** Reference Identification (Utility Account Number)

Segment: **REF** Reference Identification (Utility Account Number)
Position: 030
Loop: LIN   Optional
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:

Required
Both utilities currently have 10 digit account numbers. All 10 digits, including leading zeros must be provided.
REF~12~0000445648
REF~12~0000445648~GROUPA

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

12	Billing Account	
	Utility Account Number	

	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

Utility Account Number

	Ref. Des.	Data Element	Name		Attributes
Dep	REF03	352	**Description**	X	AN 1/80

A free-form description to clarify the related data elements and their content

Gas: Not Used
Electric Accept Response: Required - This code indicates the current class of customer in regards to the POR Eligibility groups as of the time the transaction is sent.
Electric Reject Response: Not Used

GROUPA	POR Eligibility Group A	
	Ameren: Residential POR Eligible Accounts ComEd: Residential	
GROUPB	POR Eligibility Group B	
	Ameren: Commercial Mass Market POR Eligible Accounts ComEd: Commercial Mass Market POR Eligible Accounts (watt-hour/small)	
GROUPC	POR Eligibility Group C	
	Ameren: Non-Mass Market POR Eligible Accounts ComEd: Non-Mass Market POR Eligible Accounts (medium)	
GROUPD	POR Eligibility Group D	
	Ameren: Not Used ComEd: Lighting	
NONPOR	Account Not Eligible for POR	

Segment:	**REF** Reference Identification (Status Reason Code)				

Segment: **REF** Reference Identification (Status Reason Code)
Position: 030
Loop: LIN Optional
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: Accept Response: Required if applicable
Reject Response: Not Used
REF~1P~HUU
REF~1P~HUR~CUSTOMER BLOCKED

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		
			1P	Accessorial Status Code	
			Status Reason Code		
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		
			HIU	Historical Interval Usage Unavailable	
			HUR	Historical Usage Not Released	
			HUU	Historical Usage Unavailable	
	REF03	352	**Description**		X AN 1/80
			A free-form description to clarify the related data elements and their content		
			Additional Text Description		

Segment:	**REF** Reference Identification (Rejection Reason Code)		
Position:	030		
Loop:	LIN Optional		
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:	Accept Response: Not Used		
	Reject Response: Required		
	REF~7G~A76		

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	
			7G Data Quality Reject Reason	
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	
			008 Account Exists but is Not Active	
			A13 Other	
			Description Required in REF03	
			A76 Account Not Found	
			A91 Service Not Available	
			Commodity requested is not available on this account/service point.	
			ABN Duplicate Request Received	
			API Required Information Missing	
			Description Required in REF03	
			CMB Account Not Eligible - Minimum Stay	
			The date the customer will become eligible will be provided in the DTM~307 segment on the 867 Historical Usage.	
			UND Cannot Identify Service Provider	
			DUNS or DUNS+4 Not Valid	
Dep	REF03	352	**Description**	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			Additional Text Description	

	Segment:	**REF** Reference Identification (URL)
	Position:	030
	Loop:	LIN Optional
	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:	Ameren HI Accept Response: Not Used
		ComEd HI Accept Response: Required if providing website to obtain HIU
		All Other Responses: Not Used
		REF*URL**www.comedpowerpath.com/datarequest/DIGEX_RIF.ASP?R=X12345&P=0123

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		
			URL Uniform Resource Locator		
Must Use	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			URL where Historical Interval Usage may be found.		

Segment:	**NM1** Individual or Organizational Name (Meter Information)		
Position:	080		
Loop:	NM1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To supply the full name of an individual or organizational entity		
Syntax Notes:	1	If either NM108 or NM109 is present, then the other is required.	
	2	If NM111 is present, then NM110 is required.	
Semantic Notes:	1	NM102 qualifies NM103.	
Comments:	1	NM110 and NM111 further define the type of entity in NM101.	
Notes:	Ameren Mass Market: Optional		

Ameren Mass Market: Optional
Ameren Non-Mass Market Accept Response: Required if sent on the Request
Ameren Non-Mass Market Reject Response: Not Used
ComEd: Not Used

One NM1 Loop including one REF*LU segment will be sent for each Service Point
Identifier on Ameren Non-Mass Market Accounts.

```
NM1~MQ~3~~~~~~32~ALL
  REF~LU~00031324
NM1~MQ~3~~~~~~32~ALL
  REF~LU~39834108
NM1~MQ~3~~~~~~32~ALL
  REF~LU~10390180
```

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NM101	98	**Entity Identifier Code**	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			MQ Metering Location		
Must Use	NM102	1065	**Entity Type Qualifier**	M	ID 1/1
			Code qualifying the type of entity		
			3 Unknown		
Must Use	NM108	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			32 Assigned by Property Operator		
			Meter Number		
Must Use	NM109	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			This field will contain the literal "ALL" which indicates that all meters and/or unmetered services for that service point are included.		

	Segment:	**REF** Reference Identification (Service Point Identifier)
	Position:	130
	Loop:	NM1 Optional
	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:	Ameren Mass Market: Optional

Ameren Mass Market: Optional
Ameren Non-Mass Market Accept Response: Optional
Ameren Non-Mass Market Reject Response: Not Used
ComEd: Not Used

Ameren currently uses an 8-digit Service Point number. All 8 digits, including leading zeros must be provided.
REF~LU~00034180

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		
			LU Location Number		
			Service Point Identifier		
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		
			Service Point Identifier		

	Segment:	**SE** Transaction Set Trailer

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: Required

SE~13~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Example #1A – Historical Usage Accept Response

Electric	Gas

ComEd or Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*WQ*029
  REF*11*0012345600
  REF*12*0312345624*GROUPX
SE*10*0001
	Ameren Mass Market
	To be added

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*WQ*029
  REF*11*0012345600
  REF*12*0312345624*GROUPX
  NM1*MQ*3******32*ALL
    REF*LU*00300801
  NM1*MQ*3******32*ALL
    REF*LU*20323333
SE*14*0001
	Ameren Non-Mass Market
	To be added

Example #1B – Historical Usage Accept Response with Historical Usage Unavailable

Electric	Gas

ComEd or Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*WQ*029
  REF*1P*HUU
  REF*11*0012345600
  REF*12*0312345624*GROUPX
SE*11*0001
	Ameren Mass Market
	To be added

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*WQ*029
  REF*1P*HUU
  REF*11*0012345600
  REF*12*0312345624*GROUPX
  NM1*MQ*3******32*ALL
    REF*LU*00300801
  NM1*MQ*3******32*ALL
    REF*LU*20323333
SE*15*0001
	Ameren Non-Mass Market
	To be added

Example #1C – Historical Usage Reject Response

Electric	Gas

ComEd or Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*U*029
  REF*11*0012345600
  REF*12*0312345624
  REF*7G*A76*ACCOUNT NOT FOUND
SE*11*0001
	Ameren Mass Market
	To be added

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HU
  ASI*U*029
  REF*11*0012345600
  REF*12*0312345624
  REF*7G*A76*ACCOUNT NOT FOUND
SE*11*0001
	Ameren Non-Mass Market
	To be added

Example #2A – Historical Interval Usage Accept Response

Electric	Gas

ComEd
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*WQ*029
  REF*11*0012345600
  REF*12*0312345624*GROUPX
 	
REF*URL**www.utilitywebsite.com/datarequest/DIGEX_RIF.ASP?R=X12345&P=0123
SE*11*0001
	Not Allowed

Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*WQ*029
  REF*11*0012345600
  REF*12*0312345624*GROUPX
SE*10*0001
	Not Allowed

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*WQ*029
  REF*11*0012345600
  REF*12*0312345624*GROUPX
  NM1*MQ*3******32*ALL
    REF*LU*00300801
  NM1*MQ*3******32*ALL
    REF*LU*20323333
SE*14*0001
	Ameren Non-Mass Market
	ST*814*0001
	BGN*11*20130401XXXYYY00001*20130401***2013033100001
	N1*8S*UTILITY*1*006912345
	N1*SJ*SUPPLIER*9*007909111IL00
	N1*8R*CUSTOMER NAME
	LIN*1*SH*GAS*SH*HI
	  ASI*WQ*029
	  REF*11*0012345600
	  REF*12*0312345624
	  NM1*MQ*3******32*ALL
	    REF*LU*00300801
	  NM1*MQ*3******32*ALL
	    REF*LU*20323333
	SE*14*0001

Example #2B – Historical Interval Usage Accept Response for Non-Interval Account

Electric	Gas

ComEd or Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*WQ*029
  REF*1P*HIU*NOT INTERVAL ACCOUNT HU WILL BE SENT
  REF*11*0012345600
  REF*12*0312345624*GROUPX
SE*11*0001
	Not Allowed

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*WQ*029
  REF*1P*HIU*NOT INTERVAL ACCOUNT HU WILL BE SENT
  REF*11*0012345600
  REF*12*0312345624*GROUPX
  NM1*MQ*3******32*ALL
   REF*LU*00300801
  NM1*MQ*3******32*ALL
   REF*LU*20323333
SE*15*0001
	Ameren Non-Mass Market
	ST*814*0001
	BGN*11*20130401XXXYYY00001*20130401***2013033100001
	N1*8S*UTILITY*1*006912345
	N1*SJ*SUPPLIER*9*007909111IL00
	N1*8R*CUSTOMER NAME
	LIN*1*SH*GAS*SH*HI
	  ASI*WQ*029
	  REF*1P*HIU*NOT INTERVAL ACCOUNT HU WILL BE SENT
	  REF*11*0012345600
	  REF*12*0312345624
	  NM1*MQ*3******32*ALL
	   REF*LU*00300801
	  NM1*MQ*3******32*ALL
	   REF*LU*20323333
	SE*15*0001

Example #2C – Historical Interval Usage Reject Response - Electric

Electric	Gas

ComEd or Ameren Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*U*029
  REF*7G*A76*ACCOUNT INVALID
  REF*11*0012345600
  REF*12*0312345624
SE*11*0001
	Not Allowed

Ameren Non-Mass Market
ST*814*0001
BGN*11*20130401XXXYYY00001*20130401***2013033100001
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*HI
  ASI*U*029
  REF*7G*A76*ACCOUNT INVALID
  REF*11*0012345600
  REF*12*0312345624
SE*11*0001
	Ameren Non-Mass Market
	ST*814*0001
	BGN*11*20130401XXXYYY00001*20130401***2013033100001
	N1*8S*UTILITY*1*006912345
	N1*SJ*SUPPLIER*9*007909111IL00
	N1*8R*CUSTOMER NAME
	LIN*1*SH*GAS*SH*HI
	  ASI*U*029
	  REF*7G*A76*ACCOUNT INVALID
	  REF*11*0012345600
	  REF*12*0312345624
	SE*11*0001