

**Illinois**

Implementation  
Guide  
For  
**E**lectronic  
**D**ata  
**I**nterchange

Transaction Set  
ANSI ASC X12 Version 004010

**814**

**Historical Usage Response**

Version x.x

## Summary of Changes

Month ##, 2008

- Initial Release.

## Implementation Notes

Transaction Reference Numbers	<ul style="list-style-type: none"> <li>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.</li> </ul>
LIN01 Reference Numbers	<ul style="list-style-type: none"> <li>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.</li> </ul>
Definition of Mass Market Customers	<ul style="list-style-type: none"> <li>Ameren Mass Market - Includes any account containing one or more of only the following types of service point: DS-1 (residential), DS-2 (small commercial &lt; 150 kW) or DS-5 (lighting).</li> <li>ComEd Mass Market – Includes all residential and commercial customers under 100 kW.</li> </ul>
Definition of Service Point	<ul style="list-style-type: none"> <li>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 RES is required to take all service points on the account that is being enrolled. For Non-Mass Market accounts, the RES 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.</li> <li>ComEd operates at an Account Level only.</li> </ul>
814 HU Requests at Account Level Only	<ul style="list-style-type: none"> <li>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.</li> <li>Service Point Numbers will be included in the Response transaction for Ameren Non-Mass Market accounts.</li> <li>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.</li> </ul>
HU vs. HI	<ul style="list-style-type: none"> <li>If a RES requests Historical Usage (LIN05 = “HU”), the utility will send the 867 Historical Usage transaction.</li> <li>If a RES requests Historical Interval Usage (LIN05 = “HI”), they will receive the interval details as described below.</li> <li>If a RES requests Historical Interval Usage (LIN05 = “HI”), and the account does not contain Interval meters, the utility will send the 867 Historical Usage transaction.</li> </ul>
Historical Interval Usage	<ul style="list-style-type: none"> <li>Ameren allows for Historical Interval Usage to be requested via EDI and the data will be returned via an EDI 867 Historical Interval Usage transaction.</li> <li>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.</li> </ul>

# 814 General Request, Response or Confirmation

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.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			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**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
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~11~20091216ABC0000000000000123456~20091216~~~20091215123000001

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BGN01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 11 Response	M ID 2/2
Must Use	BGN02	127	<b>Reference Identification</b> 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.	M AN 1/30
Must Use	BGN03	373	<b>Date</b> Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the sender's application system.	M DT 8/8
Must Use	BGN06	127	<b>Reference Identification</b> 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.	O AN 1/30

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) Utility	<b>M ID 2/3</b>
Must Use	N102	93	<b>Name</b> Free-form name Utility Name	<b>X AN 1/60</b>
Must Use	N103	66	<b>Identification Code Qualifier</b> 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	<b>X ID 1/2</b>
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code Utility D-U-N-S or D-U-N-S+4 Number	<b>X AN 2/80</b>

**Segment:** **N1** Name (Retail Electric 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 COMPANY~1~049612345

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
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)	
Must Use	N102	93 Name	X AN 1/60
		Free-form name	
		RES 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 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

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

**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~EL~SH~HU  
LIN~1~SH~EL~SH~HI

#### Data Element Summary

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

**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**

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

**Segment:** **REF** Reference Identification (RES 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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 11 Account Number Retail Electric Supplier (RES) Account Number	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier RES Account Number	X AN 1/30

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 12 Billing Account Utility Account Number	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Utility Account Number	X AN 1/30
Dep	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content 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. Reject Response: Not Used GROUPA Ameren or ComEd POR Eligibility Group A GROUPB Ameren or ComEd POR Eligibility Group B GROUPE ComEd POR Eligibility Group C NONPOR Account Not Eligible for POR (Ameren or ComEd)	X AN 1/80

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 1P Accessorial Status Code Status Reason Code	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> 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	X AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content Additional Text Description	X AN 1/80

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 7G Data Quality Reject Reason	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> 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 A76 Account Not Found ABN Duplicate Request Received ANE Account Not Eligible API Required Information Missing UND Cannot Identify Service Provider DUNS or DUNS+4 Not Valid	X AN 1/30
Dep	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content Additional Text Description	X AN 1/80

**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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification URL Uniform Resource Locator	<b>M ID 2/3</b>
Must Use	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content URL where Historical Interval Usage may be found.	<b>X AN 1/80</b>

**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: Not Used  
 Ameren Non-Mass Market Accept Response: Required  
 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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NM101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual MQ Metering Location	M ID 2/3
Must Use	NM102	1065	<b>Entity Type Qualifier</b> Code qualifying the type of entity 3 Unknown	M ID 1/1
Must Use	NM108	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 32 Assigned by Property Operator	X ID 1/2
Must Use	NM109	67	<b>Identification Code</b> 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.	X AN 2/80

**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: Not Used  
 Ameren Non-Mass Market Accept Response: Required  
 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**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LU Location Number Service Point Identifier	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Service Point Identifier	X AN 1/30

**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

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

## Example #1A – Historical Usage Accept Response

Gray segments are optional or dependent.

### ComEd or Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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 Non-Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

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

### ComEd or Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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 Non-Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

## Example #1C – Historical Usage Reject Response

### ComEd or Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

## Example #2A – Historical Interval Usage Accept Response

### ComEd

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

### Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

### Ameren Non-Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

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

### ComEd or Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

### Ameren Non-Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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

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

### ComEd or Ameren Mass Market

ST\*814\*0001  
BGN\*11\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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\*20100701XXXXYY00001\*20100701\*\*\*2010063000001  
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