

**Illinois**

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

Transaction Set  
ANSI ASC X.12 Version 004010

**814**  
**Historical Usage Request**  
Version x.x

# 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		
M	150	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The N1 loop is used to identify the transaction sender and receiver.

## Summary of Changes

Month ##, 2008

- Initial Release.

## Implementation Notes

Transaction Reference Numbers	<ul style="list-style-type: none"><li>• The BGN02 of all 814 Request transactions must be returned in the BGN06 of the 814 Response transaction.</li></ul>
Definition of Mass Market Customers	<ul style="list-style-type: none"><li>• Ameren: 150kW – 400kW</li><li>• ComEd: 100kW – 400kW</li><li>• <i>(Probably could use more language here!)</i></li></ul>
Definition of Service Point	<ul style="list-style-type: none"><li>• Ameren...</li><li>• ComEd operates at an Account Level only.</li></ul>
814 Response	<ul style="list-style-type: none"><li>•</li></ul>

**WILL THERE BE AN 814 Historical Usage Accept Response or will the 867 Historical Usage suffice?**

**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~13~20091215123000001~20091215

**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 13 Request	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) and digits (0 to 9). Note that punctuation (spaces, dashes, 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

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

**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**

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

**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:** Optional  
 N1~8R~CUSTOMER NAME

**Data Element Summary**

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

**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  
 In all cases, only 1 LIN Loop is allowed per 814 on the Historical Usage Request transaction.  
 LIN~1~SH~EL~SH~HU  
 LIN~1~SH~EL~SH~HI

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		On the Request, 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 item over time. This number will be returned on the Response transaction in the same element.	
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	
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	
		Request to obtain Detail Historical Interval Usage.	
		If the intervals are available, the Utility will include the URL where the file may be downloaded on the 814	

HU

Response.

If the intervals are not available, the Utility will include the Status Reason Code HIU on the 814 Response and if available, send the 867 Historical Usage transaction with the summarized data.

Historical Usage

Request to obtain Summarized Historical Usage

If Historical Usage is not available, the Utility will include the Status Reason Code HUU on the 814 Response.

**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~7~029

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ASI01	306	Action Code Code indicating type of action 7 Request	M ID 1/2
Must Use	ASI02	875	Maintenance Type Code 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:**

Optional  
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

**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 12 Billing Account Utility 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 Utility Account Number	X AN 1/30

**Segment:** **REF** Reference Identification (Service Point Identifier)  
**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 Mass Market: Not Used  
 Ameren Non-Mass Market: Optional to Request Historical Usage by Service Point  
 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 #1 – Summarized Historical Usage Request

ST\*814\*0001  
BGN\*13\*2010063000001\*20100630  
N1\*8S\*UTILITY\*1\*006912345  
N1\*SJ\*SUPPLIER\*9\*0079091111L00  
N1\*8R\*CUSTOMER NAME  
LIN\*1\*SH\*EL\*SH\*HU  
ASI\*7\*029  
REF\*11\*0012345600  
REF\*12\*0312345624  
REF\*LU\*12345678 (Optional for Ameren Non-Mass Market Customers Only)  
SE\*11\*0001

### Example #2 – Detailed Historical Interval Usage Request

ST\*814\*0001  
BGN\*13\*2010063000001\*20100630  
N1\*8S\*UTILITY\*1\*006912345  
N1\*SJ\*SUPPLIER\*9\*0079091111L00  
N1\*8R\*CUSTOMER NAME  
LIN\*1\*SH\*EL\*SH\*HI  
ASI\*7\*029  
REF\*11\*0012345600  
REF\*12\*0312345624  
REF\*LU\*12345678 (Optional for Ameren Non-Mass Market Customers Only)  
SE\*11\*0001

Example #3 – Summarized Historical Usage Request for Two Service Points on the same Account for Non-Mass Market Customer (Ameren Only)  
Note that each Service Point would need to have its own 814 Request

ST\*814\*0001  
BGN\*13\*2010063000001\*20100630  
N1\*8S\*UTILITY\*1\*006912345  
N1\*SJ\*SUPPLIER\*9\*0079091111L00  
N1\*8R\*CUSTOMER NAME  
LIN\*1\*SH\*EL\*SH\*HU  
ASI\*7\*029  
REF\*11\*0012345600  
REF\*12\*0312345624  
REF\*LU\*00089701  
SE\*11\*0001  
ST\*814\*0002  
BGN\*13\*2010063000002\*20100630  
N1\*8S\*UTILITY\*1\*006912345  
N1\*SJ\*SUPPLIER\*9\*0079091111L00  
N1\*8R\*CUSTOMER NAME  
LIN\*1\*SH\*EL\*SH\*HU  
ASI\*7\*029  
REF\*11\*0012345601  
REF\*12\*0312345624  
REF\*LU\*00089702  
SE\*11\*0002