Ilinois

Implementation

Guide

For

Electronic

Data

Interchange

Transaction Set
ANSI ASC X12 Version 004010

814

Reinstatement Response

Version 2.0

Summary of Changes

January 6, 2009 Version 1.0

August 3, 2011 Version 1.1

May 31, 2013 Version 2.0

- Initial Release.
- Change Control #027 Added Implementation Note indicating an 814 Reinstatement cannot be rejected.
- Change Control #040 Added requirements for Ameren Gas

Implementation Notes

Use

 An 814 Reinstatement Response is used by the current RES/GS to accept or reject an 814 Reinstatement Request sent by the utility when a pending active RES/GS rescinds an enrollment request. The RES/GS cannot reject the 814 Reinstatement Request if the RES/GS no longer wishes to supply the customer, in which case, the RES/GS must accept the 814 Reinstatement Request and then submit an 814 Drop Request.

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.

Implementation of Service Point for 814 Reinstatement (Ameren)

- Ameren Mass Market Reinstatement
 - o The Service Point Identifier (NM1/REF*LU) will not be sent.
- Ameren Non-Mass Market Reinstatement
 - The Service Point Identifier (NM1/REF*LU) will be sent on the Request transaction, and may optionally be included on the Response transaction.

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

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:

M	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments	
M	020	BGN	Beginning Segment	M	1			
			LOOP ID - N1			>1		
	040	N1	Name	0	1		n1	

Detail:

	Pos.	Seg.		Req.	3.6 77	Loop	Notes and
	<u>No.</u>	<u>ID</u>	<u>Name</u> LOOP ID - LIN	Des.	Max.Use	Repeat >1	Comments
	010	LIN	Item Identification	О	1		
	020	ASI	Action or Status Indicator	O	1		
	030	REF	Reference Identification	О	>1		
			LOOP ID - NM1			>1	
	080	NM1	Individual or Organizational Name	О	1		n2
	130	REF	Reference Identification	О	>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

Must Use	Ref. <u>Des.</u> ST01	Data Element 143	Name Transaction Set Identifier Code	Attr M	ributes ID 3/3
			Code uniquely identifying a Transaction Set 814 General Request, Response or Confirma	tion	
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the tra functional group assigned by the originator for a transaction set.		AN 4/9 ion 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~11~20131216ABC0000000000000123456~20131216~~~20131215123000001

Must Use	Ref. <u>Des.</u> BGN01	Data Element 353	Name Transaction Set Purpose Code	_	ributes ID 2/2			
			Code identifying purpose of transaction set					
3.6 4.77	D CINIO	105	11 Response		A N. 4 /20			
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					
			unique transaction identification number assigned by the originator of this					
			ansaction. This number must be unique over time.					
			ransaction Reference Numbers will only contain uppercase letters (A to Z),					
			digits (0 to 9), dashes (-) and periods (.). Note that all other of					
			underscores, etc.) must be excluded.					
Must Use	BGN03	373	Date	\mathbf{M}	DT 8/8			
			Date expressed as CCYYMMDD					
			The transaction creation date - the date that the data was processender's application system.	essed	by the			
Must Use	BGN06	127	Reference Identification	O	AN 1/30			
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set o	or as			
			Transaction Reference Number from the BGN02 of the Request Transaction.					

 $\textbf{Segment:} \qquad \pmb{N1} \; \; \textbf{Name} \; \textbf{(Utility)}$

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.

N105 and N106 further define the type of entity in N101.

Notes: Required

N1~8S~UTILITY NAME~1~007909411

	Ref. Des.	Data <u>Element</u>	Name	ent Summar y	<u>Attr</u>	<u>ibutes</u>
Must Use	N101	98	Entity Identifier Co	ode	\mathbf{M}	ID 2/3
			Code identifying an organizational entity, a physical location, prindividual SCONSUMER Service Provider (CSP)		prop	erty or an
				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 Code (67)	e system/method of code structure used for	r Ide	ntification
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with For Suffix	ır Ch	aracter
Must Use	N104	67	Identification Code		X	AN 2/80
			Code identifying a party or other code			
			Utility D-U-N-S or l	D-U-N-S+4 Number		

N1 Name (Retail Electric Supplier/Gas Supplier) **Segment:**

Position: 040

> Loop: N1 Optional

Level: Heading Usage: Optional 1

Max Use:

Purpose: To identify a party by type of organization, name, and code

Syntax Notes: At least one of N102 or N103 is required.

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.

N105 and N106 further define the type of entity in N101.

Notes: Required

N1~SJ~RES/GS COMPANY~1~049612345

	Ref.	Data	Data Elem	ent Summary			
	Des.	Element	<u>Name</u>		Attı	<u>ributes</u>	
Must Use	N101	98	Entity Identifier C	ode	M	ID 2/3	
			Code identifying an individual	organizational entity, a physical location,	prop	erty or an	
			SJ	Service Provider			
				Retail Electric Supplier (RES) or Gas Su	ıpplie	er (GS)	
Must Use	N102	93	Name		X	AN 1/60	
			Free-form name				
			RES/GS Name				
Must Use	N103	66	Identification Code	e Qualifier	X	ID 1/2	
			Code designating the Code (67)	e system/method of code structure used fo	or Ide	entification	
			1	D-U-N-S Number, Dun & Bradstreet			
			9	D-U-N-S+4, D-U-N-S Number with Fou	ır Ch	aracter	
				Suffix			
Must Use	N104	67	Identification Code	2	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.

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.

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 Eleme	ent Summary		
Must Use	Ref. <u>Des.</u> N101	Data <u>Element</u> 98	<u>Name</u> Entity Identifier C	ode	Attı M	ributes ID 2/3
			Code identifying an individual 8R	organizational entity, a physical location Consumer Service Provider (CSP) Custo Customer Name		perty or an
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: 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: Comments:

- 1 LIN01 is the line item identification
- **its:** 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 - All 814 transactions will contain only one LIN Loop.

LIN~1~SH~EL~SH~CE LIN~1~SH~GAS~SH~CE

	Ref.	Data				
	Des.	Element	<u>Name</u>		<u>Attı</u>	<u>ributes</u>
Must Use	LIN01	350	Assigned Ide	entification	O	AN 1/20
			Alphanumeri	c characters assigned for differentiation within	a trans	saction set
			The identifier	r provided in the LIN01 of the Request Transac	tion.	
Must Use	LIN02	235	Product/Ser	Product/Service ID Qualifier		ID 2/2
			•	ode identifying the type/source of the descriptive number use roduct/Service ID (234)		
			SH	Service Requested		
Must Use	LIN03	234	Product/Ser	vice ID	M	AN 1/48
			Identifying n	lentifying number for a product or service		
			EL	Electric		
			GAS	Gas		
Must Use	LIN04	235	Product/Ser	vice ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			1	
			SH	Service Requested		
Must Use	LIN05	234	Product/Ser	vice ID	X	AN 1/48
			Identifying n	umber for a product or service		
			CE	Energy Services		

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~025

Data Element Summary

Ref. Data **Element** Name **Attributes** Des. **Action Code Must Use** ASI01 306 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

025 Reinstatement

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.

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

Notes:

1 REF04 contains data relating to the value cited in REF02.

Required if provided on the 814 Enrollment or 814 Change transaction.

REF~11~1234567890

Data Element Summary

Must Use	Ref. <u>Des.</u> REF01	Data Element 128	Name Reference Identif		Attr M	ributes ID 2/3
			Code qualifying th	e Reference Identification		
			11	Account Number		
				Retail Electric Supplier (RES) or Gas S Account Number	upplie	er (GS)
Must Use	REF02	127	Reference Identif	ication	X	AN 1/30
				ation as defined for a particular Transaction	ı Set c	or as

specified by the Reference Identification Qualifier

RES/GS 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.

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

1 REF04 contains data relating to the value cited in REF02.

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

Ref. Data Des. **Element** Name **Attributes Must Use** REF01 **Reference Identification Qualifier** M ID 2/3 128 Code qualifying the Reference Identification 12 Billing Account Utility 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

Utility Account Number

 $\textbf{Segment:} \quad \textbf{REF} \,\, \textbf{Reference Identification} \,\, (\textbf{Rejection Reason Code}) \\$

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.

If either C04003 or C04004 is present, then the other is required.
If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

1 REF04 contains data relating to the value cited in REF02.

Notes: Accept Response: Not Used Reject Response: Required

Please note that an Accept or Reject must be for the entire transaction, including all

Service Points. REF~7G~A76

	Ref. Des.	Data Element	Name	tement Summary	Attı	ributes
Must Use	REF01	128		tification Qualifier	M	ID 2/3
			Code qualifying	the Reference Identification		
			7G	Data Quality Reject Reason		
Must Use	REF02	127	Reference Iden	tification	X	AN 1/30
				mation as defined for a particular Transaction Reference Identification Qualifier Account Not Found	on Set o	or as
			ISP	Invalid Service Point Identifier		
	REF03	352	Description		X	AN 1/80
			A free-form des	cription to clarify the related data elements	and the	eir content
			Additional Text	Description		

 ${\bf Segment:} \qquad {\bf NM1} \ \ {\bf Individual \ or \ Organizational \ Name \ (Meter \ Information)}$

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.

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: Optional

ComEd: Not Used

The RES/GS may respond back with one NM1 Loop including one REF~LU segment for each Service Point on the Request. However, it is not necessary to include the NM1 Loops on the Response. Please note that an Accept or Reject must be for the entire transaction, including all Service Points.

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

	Ref.	Data		•		
	Des.	Element	<u>Name</u>		Attı	<u>ributes</u>
Must Use	NM101	98	Entity Identifier Co	ode	M	ID 2/3
			Code identifying an individual	organizational entity, a physical location	, prop	perty or an
			MQ	Metering Location		
Must Use	NM102	1065	Entity Type Qualif	ier	M	ID 1/1
			Code qualifying the	type of entity		
			3	Unknown		
Must Use	NM108	66	Identification Code	Qualifier	\mathbf{X}	ID 1/2
			Code designating the Code (67)	e system/method of code structure used for	or Ide	entification
			32	Assigned by Property Operator		
				Meter Number		
Must Use	NM109	67	Identification Code		X	AN 2/80
			Code identifying a p	arty 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: ${f REF}$ 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.

If either C04003 or C04004 is present, then the other is required.
 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

Notes:

1 REF04 contains data relating to the value cited in REF02.

Ameren Mass Market: Not Used Ameren Non-Mass Market: Optional

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. Data Name Des. **Element 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

Position: 150

Loop:

Level: Detail Usage: Mandatory

Max Use:

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

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

Gray segments are optional or dependent.

Electric	Gas
ComEd or Ameren Mass Market	Ameren Mass Market
ST*814*0001	To be added
BGN*11*2013070100001*20130701***201306	
3000001	
N1*8S*UTILITY*1*006912345	
N1*SJ*SUPPLIER*9*007909111IL00	
N1*8R*CUSTOMER NAME	
LIN*1*SH*EL*SH*CE	
ASI*WQ*025	
REF*11*0012345600	
REF*12*0312345624	
SE*10*0001	
Ameren Non-Mass Market	Ameren Non-Mass Market
ST*814*0001	To be added
BGN*11*2010070100001*20100701***201006	
3000001	
N1*8S*UTILITY*1*006912345	
N1*SJ*SUPPLIER*9*007909111IL00	
N1*8R*CUSTOMER NAME	
LIN*1*SH*EL*SH*CE	
ASI*WQ*025	
REF*11*0012345600	
REF*12*0312345624	
NM1*MQ*3*****32*ALL	
REF*LU*00000101	
NM1*MQ*3*****32*ALL	
REF*LU*00007912	
SE*14*0001	

Example 2 – Reinstatement Reject Response

Electric	Gas
ComEd or Ameren Mass Market ST*814*0001	Ameren Mass Market To be added
BGN*11*2013070100001*20130701***201306 3000001	
N1*8S*UTILITY*1*006912345 N1*SJ*SUPPLIER*9*007909111IL00	
N1*8R*CUSTOMER NAME	
LIN*1*SH*EL*SH*CE ASI*U*025	
REF*11*0012345600	
REF*12*0312345624 REF*7G*A76*ACCOUNT NOT FOUND	
SE*11*0001	
Ameren Non-Mass Market	Ameren Non-Mass Market
ST*814*0001 BGN*11*2013070100001*20130701***201306	To be added
3000001	
N1*8S*UTILITY*1*006912345 N1*SJ*SUPPLIER*9*007909111IL00	
N1*8R*CUSTOMER NAME	
LIN*1*SH*EL*SH*CE	
ASI*U*025 REF*11*0012345600	
REF*12*0312345624	
REF*7G*A76*ACCOUNT NOT FOUND	
NM1*MQ*3*****32*ALL REF*LU*00000101	
NM1*MQ*3*****32*ALL	
REF*LU*00007912 SE*15*0001	
2E.12.0001	