

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set
ANSI ASC X12 Version 004010

814
Reinstatement Response
Version x.x

Summary of Changes

Month ##, 2008

- Initial Release.

Implementation Notes

- | | |
|--|--|
| Transaction Reference Numbers | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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 | <ul style="list-style-type: none">• 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 < 150 kW) or DS-5 (lighting).• ComEd Mass Market – Includes all residential and commercial customers under 100 kW. |
| Definition of Service Point | <ul style="list-style-type: none">• 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.• ComEd operates at an Account Level only. |
| Implementation of Service Point for 814 Reinstatement (Ameren) | <ul style="list-style-type: none">• Ameren Mass Market Reinstatement<ul style="list-style-type: none">○ The Service Point Identifier (NM1/REF*LU) will not be sent.• Ameren Non-Mass Market Reinstatement<ul style="list-style-type: none">○ The Service Point Identifier (NM1/REF*LU) will be sent on the Request transaction, and may optionally be included on the Response transaction. |

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

	Ref.	Data	Attributes
	Des.	Element Name	
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	Transaction Set Purpose Code Code identifying purpose of transaction set 11 Response	M ID 2/2
Must Use	BGN02	127	Reference Identification 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	Date 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	Reference Identification 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

	Ref.	Data	Attributes
	Des.	Element Name	
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)
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:

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 - All 814 transactions will contain only one LIN Loop.
LIN~1~SH~EL~SH~CE

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	Assigned Identification 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	Product/Service ID Qualifier 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	Product/Service ID Identifying number for a product or service EL Electric	M AN 1/48
Must Use	LIN04	235	Product/Service ID Qualifier 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	Product/Service ID Identifying number for a product or service CE Energy Services	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~025

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 U Reject WQ Accept	M ID 1/2
Must Use	ASI02	875	Maintenance Type Code Code identifying the specific type of item maintenance 025 Reinstatement	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 Enrollment or 814 Change transaction.
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 (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

 Please note that an Accept or Reject must be for the entire transaction, including all Service Points.
 REF~7G~A76

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 7G Data Quality Reject Reason	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 A76 Account Not Found ISP Invalid Service Point Identifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content Additional Text Description	X AN 1/80

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: Optional
 ComEd: Not Used

The RES 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

Data Element Summary

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

	<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 – Reinstatement Accept Response

Gray segments are optional or dependent.

ComEd or Ameren Mass Market

ST*814*0001
BGN*11*2010070100001*20100701***2010063000001
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

ST*814*0001
BGN*11*2010070100001*20100701***2010063000001
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 – Reinstatement Reject Response

ComEd or Ameren Mass Market

ST*814*0001
BGN*11*2010070100001*20100701***2010063000001
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

ST*814*0001
BGN*11*2010070100001*20100701***2010063000001
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