Illinois

Implementation Guide For Electronic Data Interchange

Transaction Set
ANSI ASC X12 Version 004010

814

Change Response
Version 2.4

Summary of Changes

January 6, 2009
Version 1.0

- Initial Release.

October 24, 2009
Version 1.1

- **Change Control #009** – Corrected example on REF*TD segment. It previously showed an example of a REF*11 rather than the REF*TD.

January 6, 2011
Version 1.2

- **Change Control #016** – Updated POR Eligibility Group Codes.
- **Change Control #023** – Changed POR Group to Optional.

June 7, 2013
Version 2.0

- **Change Control #040 –** Added requirements for Ameren Gas and corrected use of Service Point Identifier.

January 23, 2015
Version 2.1

- **Change Control #042 –** Added Reason for Change Codes for AMI Data Preference Identifier (REF*TD*REF17), Demand Response Indicator (REF*TD*REFDR) and AMI Data Availability (REF*TD*REFKX).

January 25, 2016
Version 2.2

- **Change Control #046 –** Added Reason for Change Code for Net Meter Contract Indicator.

May 18, 2018
Version 2.3

- **Change Control #050 –** Added Community Solar Participant Indicator Reason for Change Code REFAN.

September 30, 2019
Version 2.4

- **Change Control #052 –** Added Reason for Change Code REF5E for Low Income Customer Indicator.

Implementation Notes

Uses for the 814 Change Transaction

- The 814 Change Request may be used by the RES/GS only to send changes to the Utility for the following data:
    - RES/GS Account Number
    - Bill Option and Payment Option
    - RES/GS Rate Code for Rate Ready Utility Consolidated Billing
    - MISO CP Node
    - Bank Election Factor
- The 814 Change Request may be used by the Utility to send changes to the current RES/GS or the Pending RES/GS for the following data:
    - Customer Name, Address and/or Telephone Number
    - Billing Party Name and/or Address
    - Bill Option and Payment Option
    - Service Period Start and/or End Dates
    - Service Point Additions or Removals
    - Peak Load Contribution (PLC)
    - Transmission Contribution (NSPL)
    - Supply Group
    - Meter Additions, Removals and Exchanges
    - Meter Attributes (including Number of Dials, Meter Constant, Type of Metering, Meter Role and Special Meter Configuration)
    - Utility Rate Class
    - Load Profile
    - Voltages (Service, Delivery or Meter)
    - Peak Demand
    - Total kWh
    - Number of Months for Peak Demand/Total kWh
    - Bank Election Factor
    - Maximum Daily Contract Quantity (MDCQ)
    - Maximum Allowable Operating Pressure (MAOP)
    - Pool Group Number
    - AMI Data Preference Identifier
    - Demand Response Indicator
    - Net Meter Contract Indicator

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.

New Information Always Provided

- In all circumstances, only the new information is provided in the 814 Change transaction. For example, if a RES/GS sends an 814 Change to change the RES/GS Account Number, the new number will be populated in the REF*11 Segment. If a Utility sends an 814 Change to change the Service Address, only the new service address will be populated in the N1*8R Loop.

Reason for Change Codes

- To simplify the implementation, all Reason for Change codes are included in the LIN Loop REF*TD segment (Detail Position 030).

Definition of Mass Market Customers	• Ameren Mass Market
	o 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).
	o 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 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 Change (Ameren)

- Ameren Mass Market Change
  - The Service Point Identifier (NM1/REF*LU) will only be sent by Ameren to the RES/GS when the change relates to information that must be associated with a service point (for example, service point addition, meter changes, utility rate class, etc.).

- Ameren Non-Mass Market Change
  - Ameren to RES/GS: The Service Point Identifier (NM1/REF*LU) will be sent on the Request transaction, and may optionally be included on the Response transaction.
  - RES/GS to Ameren: The Service Point Identifier may be included for a change in RES/GS Rate Code or CP Node. It may not be included for a change in Bill Option or RES/GS Account Number.

AMI Data Preference Identifier

- The AMI Data Preference Identifier is activated by the RES to indicate to the Utility that interval reads for any AMI meter(s) on the requested account should be provided.

  - For Ameren, the activation of the AMI Data Preference Identifier (REF*17*DAILY) on a given account will cause **1.)** the most recently available 24 hours' worth of AMI reads to be sent via the EDI 867DU transaction each day; and **2.)** a monthly set of AMI reads to be included in the EDI 867MU transaction when the account bills. The AMI Data Preference Identifier may only be requested for DS1 and DS2 rate classes.

  - For ComEd, the activation of the Daily AMI Data Preference Identifier (REF*17*DAILY) on a given account will cause **1.)** the most recently available 24 hours' worth of AMI reads to be posted to the supplier portal; and **2.)** a monthly set of AMI reads to be included in the EDI 867 MU transaction when the account bills. The activation of the

	MONTHLY AMI Data Preference Identifier (REF*17*MONTHLY) will cause a monthly set of AMI reads to be included in the EDI 867 MU transaction when the account bills. The AMI Data Preference Identifier may only be requested for Residential accounts at this time. ComEd may include Small Commercial accounts in the future.

Demand Response Indicator	• The DR Indicator is activated by the RES or the Utility to indicate that the account or service point is currently on a demand response program. Note that ComEd requires the RES to receive interval AMI reads (see AMI Data Preference Identifier) in order to set the DR Indicator.
	
	   ○ For Ameren, a RES can activate the DR Indicator on any service point for any account (large or small) that it is enrolling. If the RES submits an account level enrollment and activates the DR Indicator, then all electric service points associated with the account will have their respective DR Indicators activated. If the RES submits a service point level enrollment and activates the DR Indicator, then the DR Indicator associated with the requested service point will be activated.
	
	   ○ For ComEd, the DR Indicator can only be activated for residential accounts at this time. ComEd may include Small Commercial accounts in the future. Note that ComEd requires the activation of the AMI Data Preference Identifier in order to notify ComEd that a customer is participating in a Demand Response program offered by the RES.

One Commodity per Transaction	• Each submitted transaction may be valid for only one commodity (i.e., electric or gas).

814 General Request, Response or Confirmation

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the General Request, Response or Confirmation Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to request actions to be performed, to respond to a request for actions to be performed or to confirm information related to actions performed.

Heading:

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

Detail:

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

Transaction Set Notes

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

Segment:	**ST** Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	
Notes:	Required
	ST~814~000000001

Data Element Summary

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

	Segment:	**BGN** Beginning Segment
	Position:	020
	Loop:	
	Level:	Heading
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate the beginning of a transaction set
	Syntax Notes:	1 If BGN05 is present, then BGN04 is required.
	Semantic Notes:	1 BGN02 is the transaction set reference number.
		2 BGN03 is the transaction set date.
		3 BGN04 is the transaction set time.
		4 BGN05 is the transaction set time qualifier.
		5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
	Comments:	
	Notes:	Required
		BGN~11~20091216ABC0000000000000123456~20091216~~~20091216-ABC.000001

Data Element Summary

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

Segment:	**N1** Name (Utility)
Position:	040
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.
Notes:	Required
	N1~8S~UTILITY NAME~1~007909411

Data Element Summary

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

Segment:	**N1**	**Name (Retail Electric Supplier/Gas Supplier)**	
Position:	040		
Loop:	N1	Optional	
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1	At least one of N102 or N103 is required.	
	2	If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
	2	N105 and N106 further define the type of entity in N101.	
Notes:	Required		
	N1~SJ~RES COMPANY~1~049612345		

Data Element Summary

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

			Segment:	**N1** Name (Customer)

Segment: **N1** Name (Customer)
Position: 040
Loop: N1   Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
          2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
          2   N105 and N106 further define the type of entity in N101.
Notes: Accept Response: Required
Reject Response: Optional - Name may be echoed from the Request
N1~8R~CUSTOMER NAME

Data Element Summary

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

Segment:		**LIN** Item Identification		
Position:		010		
Loop:		LIN Optional		
Level:		Detail		
Usage:		Optional		
Max Use:		1		
Purpose:		To specify basic item identification data		

Syntax Notes:	**1**	If either LIN04 or LIN05 is present, then the other is required.
	2	If either LIN06 or LIN07 is present, then the other is required.
	3	If either LIN08 or LIN09 is present, then the other is required.
	4	If either LIN10 or LIN11 is present, then the other is required.
	5	If either LIN12 or LIN13 is present, then the other is required.
	6	If either LIN14 or LIN15 is present, then the other is required.
	7	If either LIN16 or LIN17 is present, then the other is required.
	8	If either LIN18 or LIN19 is present, then the other is required.
	9	If either LIN20 or LIN21 is present, then the other is required.
	10	If either LIN22 or LIN23 is present, then the other is required.
	11	If either LIN24 or LIN25 is present, then the other is required.
	12	If either LIN26 or LIN27 is present, then the other is required.
	13	If either LIN28 or LIN29 is present, then the other is required.
	14	If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	**1**	LIN01 is the line item identification
Comments:	**1**	See the Data Dictionary for a complete list of IDs.
	2	LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:		Required - All 814 transactions will contain only one LIN Loop.
		LIN~1~SH~EL~SH~CE
		LIN~1~SH~GAS~SH~CE

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**LIN01**	**350**	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			The identifier provided in the LIN01 of the Request Transaction.		
Must Use	**LIN02**	**235**	**Product/Service ID Qualifier**	**M**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SH Service Requested		
Must Use	**LIN03**	**234**	**Product/Service ID**	**M**	**AN 1/48**
			Identifying number for a product or service		
			EL Electric		
			GAS Gas		
Must Use	**LIN04**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SH Service Requested		
Must Use	**LIN05**	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service		
			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~001

Data Element Summary

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

Segment:	**REF** Reference Identification (Reason for Change)
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 - It is not necessary to include the Reason(s) for Change on the Response transaction.
	REF~TD~REFBF

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			TD Reason for Change		
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

AMT70	Change MDCQ
AMTKC	Change Peak Load Contribution (PLC)
AMTKZ	Change Transmission Obligation (NSPL)
AMTLD	Change Number of Months for Peak Demand/Total kWh
AMTM2	Change MAOP
AMTMA	Change Peak Demand
AMTTA	Change Total kWh
DTM150	Change Service Period Start Date
DTM151	Change Service Period End Date
N18R	Change Customer Name, Service Address and/or Telephone Number
N1BT	Change Billing Party Name and/or Address
NM1MA	Meter Addition
NM1MQ	Change Meter Attributes
	This code is used to change the meter attributes, including Number of Dials, Meter Constant, Type of Metering, Meter Role and Special Meter Configuration.
NM1MR	Meter Removal
NM1MX	Meter Exchange
NM1SA	Service Point Addition
NM1SR	Service Point Removal
REF11	Change RES Account Number
REF17	Change AMI Data Preference Identifier
REF4L	Change Meter Voltage
REF5E	Change Low Income Customer Indicator
REF9V	Change Payment Option
REFAN	Change Community Solar Participant Indicator
REFBE	Change Bank Election Factor
REFBF	Change Bill Cycle

REFBLT	Change Bill Presenter
REFCP	Change MISO CP Node
REFDR	Change Demand Response Indicator
REFKK	Change Delivery Voltage
REFKX	Change AMI Data Availability
REFLO	Change Load Profile
REFNH	Change Utility Rate Class
REFNM	Change Net Meter Contract Indicator
REFNR	Change Utility Budget Billing Status
REFPC	Change Bill Calculator
REFPTC	Change Supply Group
REFRB	Change RES Rate Code
REFSV	Change Supply Voltage
REFVI	Change Pool Group Number

	Segment:	**REF** Reference Identification (RES/GS Account Number)		

Segment: **REF** Reference Identification (RES/GS Account Number)
Position: 030
Loop: LIN   Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1   At least one of REF02 or REF03 is required.
2   If either C04003 or C04004 is present, then the other is required.
3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1   REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

RES to Utility: Optional
Utility to RES: Required if provided on the 814 Enrollment or Change transaction.
REF~11~1234567890

Data Element Summary

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

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF01	128	**Reference Identification Qualifier**	M	ID 2/3

Code qualifying the Reference Identification

12	Billing Account	
	Utility Account Number	

	Ref. Des.	Data Element	Name	Attributes	
Must Use	REF02	127	**Reference Identification**	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Utility Account Number

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

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

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

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

Segment: # REF Reference Identification (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
	A76 & ISP are the only codes that are valid from RES/GS to Utility; all other codes are only valid Utility to RES/GS.
	REF~7G~A76

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	REF01	128	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			7G Data Quality Reject Reason		
Must Use	REF02	127	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			008 Account Exists but is Not Active		
			A13 Other		
			Description Required in REF03		
			A76 Account Not Found		
			A76 & ISP are the only codes that are valid from RES/GS to Utility; all other codes are only valid Utility to RES/GS.		
			A84 Invalid Relationship		
			Not RES/GS of Record		
			ABN Duplicate Request Received		
			ANL RES Not Licensed to Provide the Requested Service		
			API Required Information Missing		
			Description Required in REF03		
			BEF Bank Election Factor Invalid or Missing		
			C11 Change Reason (REF*TD) Missing or Invalid		
			C13 Multiple Change Requests Not Supported		
			DPI AMI Data Preference (REF*17) Invalid		
			DRI Demand Response Request (REF*DR) Invalid		
			FBB Account Enrolled in Budget Billing and Single Bill Requested		
			ICP Invalid MISO CP Node		
			IPO Invalid Payment Option		
			POR selected for ineligible account or POR not selected when required on REF~9V segment.		
			ISP Invalid Service Point Identifier		
			A76 & ISP are the only codes that are valid from RES/GS to Utility; all other codes are only valid Utility to RES/GS.		

	NAC		Not AMI Certified		

The Account or Service Point does not have any certified AMI meters. Interval details will not be sent.

| | NAQ | | Not AMI Qualified | | |

The Account or Service Point does not qualify for AMI Interval service. For Ameren, only DS1 and DS2 Service Points qualify and for ComEd only Residential Accounts qualify.

| | NAR | | No AMI Requested in Association with Demand Response Indicator | | |

AMI Data Preference is invalid or not requested in association with Demand Response Indicator. ComEd requires that the RES request AMI (DAILY or MONTHLY) in combination with, or prior to, indicating that the customer is on a Demand Response program.

	NCB		RES/GS Not Certified to Provide Requested Bill Option		
	NEB		Customer Not Eligible for Requested Bill Option		
	UND		Cannot Identify Service Provider		

DUNS or DUNS+4 Not Valid

	W05		Requested Rate Not Found or In Effect (Rate Ready Only)		
	W06		Requested RES/GS Rate Code Invalid for the Customer Class (Rate Ready Only).		
	WAR		No Warrant		

Suppliers must submit a signed and notarized warrant with ComEd prior to submitting a change request with AMI monthly or daily data (AMI Data Preference Identifier) or demand response notification (DR Indicator). The warrant validates the supplier has customer permission to request interval data.

Dep	**REF03**	**352**	**Description**	**X**	**AN 1/80**

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

Additional Text Description

	Segment:	**DTM** Date/Time Reference (Effective Date of Change)
	Position:	040
	Loop:	LIN Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	>1
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
		2 If DTM04 is present, then DTM03 is required.
		3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
	Notes:	RES/GS to Utility: Not Used
		Utility to RES/GS: Required to provide the effective date.
		REF~DTM~152~20100930

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			152 Effective Date of Change		
Must Use	DTM02	373	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
			Effective Date of Change		

		Segment:	**NM1** Individual or Organizational Name (Meter Information)

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 to RES/GS - Mass Market: Optional
Ameren to RES/GS - Non-Mass Market: Required
ComEd to RES/GS: Not Used

RES/GS to Ameren - Mass Market: Not Used
RES/GS to Ameren - Non-Mass Market: Optional
RES/GS to ComEd: Not Used
NM1~MQ~3~~~~~~32~ALL

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	NM101	98	**Entity Identifier Code**		**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual			
			MQ	Metering Location		
Must Use	NM102	1065	**Entity Type Qualifier**		**M**	**ID 1/1**
			Code qualifying the type of entity			
			3	Unknown		
Must Use	NM108	66	**Identification Code Qualifier**		**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)			
			32	Assigned by Property Operator		
				Meter Number		
Must Use	NM109	67	**Identification Code**		**X**	**AN 2/80**
			Code identifying a party or other code			
			On the 814 Change Response, this field will always be populated with the literal "ALL".			

	Segment:	**REF** Reference Identification (Service Point Identifier)

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:

ComEd: Not Used
RES to Ameren: Optional
Ameren to RES - Mass Market: Optional
Ameren to RES - Non-Mass Market: Required

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

Data Element Summary

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

	Segment:	**SE** Transaction Set Trailer

Segment: **SE** Transaction Set Trailer
Position: 150
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.
Notes: Required

SE~13~000000001

Data Element Summary

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