

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set
ANSI ASC X12 Version 004010

814
Enrollment Request
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.
Historical Interval Usage Requested Separately	<ul style="list-style-type: none"> The RES may request Historical Usage (HU) as a secondary service on the 814 Enrollment Request and the Utility will send the 867 Historical Usage transaction. If the RES wishes to request Historical Interval Usage (HI), the request must be sent in a separate 814 transaction. Please see the 814 Historical Usage Request implementation guideline. If the RES inadvertently requests HI as a secondary service on the Enrollment Request, the utility will process it as if the RES had requested HU.
Requested On Cycle Switch “no earlier than” Date	<ul style="list-style-type: none"> A RES may request that a switch occur at the next scheduled meter cycle after a particular date. If such a date is requested, it may not be more than 45 calendar days from the date the enrollment is processed by the Utility. The DTM~007 segment may be used by the RES to provide a date for the On Cycle switch. No special codes are used in the LIN segment. If no dates are provided, then the next valid meter cycle will be used.
Off Cycle Switch	<ul style="list-style-type: none"> Off Cycle Switches are not allowed for Mass Market Accounts. Off Cycle Switches for Non-Mass Market accounts in certain situations. It is important to review the tariffs to understand the rules.

- On the 814 Enrollment Request, the DTM~MRR segment, in combination with the LIN code “SW” are used to indicate an Off Cycle Switch Request.

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		
	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.	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~13~20091215123000001~20091215

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 13 Request	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

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8R Consumer Service Provider (CSP) Customer Customer Name	M ID 2/3
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:

Comments:

- 1 LIN01 is the line item identification
- 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.

The following examples are all inclusive. The LIN07 and the LIN09 cannot contain the same value. Historical Interval Usage (HI) must be requested in a separate transaction, not part of the 814 Enrollment.

LIN~1~SH~EL~SH~CE
Enrollment Request

LIN~1~SH~EL~SH~CE~SH~HU
Enrollment with Historical Summarized Usage Request

LIN~1~SH~EL~SH~CE~SH~SW
Enrollment with Off Cycle Read Request

LIN~1~SH~EL~SH~CE~SH~SW~SH~HU
LIN~1~SH~EL~SH~CE~SH~HU~SH~SW
Enrollment with Off Cycle Read and Historical Summarized Usage Request

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LIN01	350	Assigned Identification 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.	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	M AN 1/48

			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			
			CE	Energy Services		
Dep	LIN06	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		
Dep	LIN07	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
			HU	Historical Usage		
				Request to obtain Historical Usage		
				If Historical Usage is not available, the Utility will send an 814 Accept Response with the Status Reason Code HUU.		
				If Historical Usage was blocked by the customer, the Utility will send an 814 Accept Response with the Status Reason Code HUR.		
			SW	Off Cycle Switch		
				Request for a special meter read for a customer to switch off cycle, i.e., not at the next, regularly scheduled meter read. DTM~MRR is required when requesting an off-cycle read.		
Dep	LIN08	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		
Dep	LIN09	234	Product/Service ID		X	AN 1/48
			Identifying number for a product or service			
			HU	Historical Usage		
			SW	Off Cycle Switch		

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~7~021

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 021 Addition	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
 If provided, the Utility will include the RES account number on all transactions.

Only one RES Account Number may be assigned to each Utility Account Number (RES Account Numbers may not be assigned for each Service Point on the account).
 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 (Bill Presenter)
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
REF~BLT~DUAL

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 BLT Billing Type Bill Presenter	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 DUAL The Utility and RES both Present Bills to the Customer ESP RES Presents the Consolidated Bill to the Customer LDC Utility Presents the Consolidated Bill to the Customer Consolidated Billing	X AN 1/30

Segment: **REF** Reference Identification (Bill Calculator)
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
REF~PC~DUAL

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 PC Production Code Bill Calculator	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 DUAL Each party calculates its own charges LDC The Utility calculates the RES charges Used for Rate Ready Utility Consolidated Billing	X AN 1/30

Segment: **REF** Reference Identification (Payment Option)
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

Until a stand-alone UCB program is developed, if the customer does not qualify for POR, or if the POR field is "N" when UCB is requested, the utility will reject the transaction and include a Rejection Reason code of IPO.
 REF~9V~Y

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 9V Payment Category Indicates whether the customer is to be part of the Purchase of Receivables (POR) program.	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 N Customer should NOT be signed up for the POR program. Y Customer should be signed up for the POR program.	X AN 1/30

Segment: **REF** Reference Identification (MISO CP Node)
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 - Optional
ComEd - Not Used

"CP Node" means a Commercial Pricing Node as such term is defined by the MISO Energy Markets Tariff. A CP Node can include but is not limited to a particular Hub, Load Zone or Generation CP Node, as these terms are defined by the MISO Energy Markets Tariff. It is also known as a Fixed Delivery Point.

Each RES will have a single default CP Node, but if a RES chooses to have multiple CP Nodes, this segment is used to assign a CP Node other than their default.
REF~CP~~AMIL.BGS2

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 CP Condition of Purchase Document Number MISO CP Node	M ID 2/3
Must Use	REF03	352	Description A free-form description to clarify the related data elements and their content MISO CP Node	X AN 1/80

Segment: **DTM** Date/Time Reference (Off-Cycle Switch Date)
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:

Required for Off-Cycle Switch, otherwise not used.

If LIN contains an SW identifier, then DTM~MRR must also be sent or the transaction will be Rejected.

If the Requested Effective Date is more than 45 calendar days from the date the utility processes the enrollment, the transaction will be Rejected.

If the Requested Effective Date is less than 7 calendar days from the date the utility processes the enrollment...

... Ameren will Accept the transaction and the Service Start Date will be the next business day that is at least 7 calendar days from the date the utility processes the enrollment.

... ComEd will Reject the transaction.

Please see each Utility's tariffs for the complete rules.
DTM~MRR~20100430

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			MRR	Meter Reading
				The date the RES would like to have the meter read and the customer switched to the RES's service. This will not change the meter read cycle.
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			Requested Off-Cycle Switch Date	

Segment: **DTM** Date/Time Reference (Requested On-Cycle Switch Date)
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: Required if requesting a switch to occur on-cycle but not necessarily on the next scheduled meter read date, otherwise Not Used. Essentially, this is a "switch no earlier than" date. The requested date must be within 45 days of the date the enrollment is processed by the Utility.

If the date provided is beyond the next scheduled meter read date, and within 45 days of the date the utility processes the enrollment, the switch will occur on the following meter read date. This is true even if the scheduled meter read date is past 45 days.

If the Requested Effective Date is more than 45 calendar days from the date the utility processes the enrollment, the transaction will be Rejected.

If the Requested Effective Date is less than 7 calendar days from the date the utility processes the enrollment, the transaction will be Accepted and the Service Start Date will be the scheduled meter read date beyond the 7 calendar days.

Please see each Utility's tariffs for the complete rules.
DTM~007~20100515

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	
			007 Effective	
			Requested Future On-Cycle Switch Date	
Must Use	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			Requested Future On-Cycle Switch Date	

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: Required for Rate Ready Consolidated Billing to provide the RES Rate Code. Only one NM1 and REF~RB may be sent and the Service Point Identifier may not be included. RES Rate Codes must be assigned at the account level for Mass Market accounts.

```
NM1~MQ~3~~~~~32~ALL
REF~RB~ABC123
```

Ameren Non-Mass Market: Optional to Enroll by Service Point - One NM1 Loop including one REF~LU segment may be sent for each Service Point Identifier that is being Enrolled for Ameren Non-Mass Market Accounts.

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

For Rate Ready, the example above changes to:

```
NM1~MQ~3~~~~~32~ALL
REF~LU~00031324
REF~RB~RATE1
NM1~MQ~3~~~~~32~ALL
REF~LU~39834108
REF~RB~RATE2
NM1~MQ~3~~~~~32~ALL
REF~LU~10390180
REF~RB~RATE3
```

ComEd: Not Used

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** **X** **AN 2/80**

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.

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 to Enroll 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: **REF** Reference Identification (RES Rate Code)
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: Required for Rate Ready Utility Consolidated Billing, otherwise Not Used
ComEd: Not Used
REF~RB~RATE39

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 RB Rate code number RES Rate Code	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 Rate Code	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 – Enrollment Request – Utility Consolidated Bill Ready

ComEd or Ameren Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*LDC
REF*PC*DUAL
REF*9V*Y
SE*13*0001

Gray segments are
optional or conditional.

Ameren Non-Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*LDC
REF*PC*DUAL
REF*9V*Y
NM1*MQ*3*****32*ALL
REF*LU*00000101
NM1*MQ*3*****32*ALL
REF*LU*00007912
SE*17*0001

Example 2 – Enrollment Request – Utility Consolidated Rate Ready with Historical Usage Request

ComEd or Ameren Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE*SH*HU
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*LDC
REF*PC*DUAL
REF*9V*Y
NM1*MQ*3*****32*ALL
REF*RB*ABC123
SE*15*0001

Ameren Non-Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE*SH*HU
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*LDC
REF*PC*DUAL
REF*9V*Y
NM1*MQ*3*****32*ALL
REF*RB*ABC123
REF*LU*00000101
NM1*MQ*3*****32*ALL
REF*RB*ABC123
REF*LU*00007912
SE*19*0001

Note in the example above, it is not necessary to provide the Service Point number on the Enrollment transaction. If only the RES Rate Code (REF*RB) is included in the NM1 loop then that rate will be assigned to all Service Points and all Service Points will be enrolled. If Service Point identifiers are included, then the RES Rate Code must be included for each Service Point and only those Service Point identifiers that are included will be enrolled.

It is acceptable to use the 814 Change transaction to update the rates for each service point after the enrollment if the RES prefers to enroll by account.

Example #3 – Enrollment Request – Dual Billed Customer

ComEd or Ameren Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*DUAL
REF*PC*DUAL
REF*9V*N
SE*13*0001

Ameren Non-Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*DUAL
REF*PC*DUAL
REF*9V*N
NM1*MQ*3*****32*ALL
REF*LU*00000101
NM1*MQ*3*****32*ALL
REF*LU*00007912
SE*17*0001

Example #4 – Enrollment Request – Single Bill Option (SBO)

ComEd or Ameren Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*ESP
REF*PC*DUAL
REF*9V*N
SE*13*0001

Ameren Mass Market

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*ESP
REF*PC*DUAL
REF*9V*N
NM1*MQ*3*****32*ALL
REF*LU*00000101
NM1*MQ*3*****32*ALL
REF*LU*00007912
SE*17*0001

Example #5 – Enrollment Request – Requested On Cycle Switch Date

ComEd or Ameren Mass Market

Example shows Dual Bill Option, but this is valid for any bill option.

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*DUAL
REF*PC*DUAL
REF*9V*N
DTM*007*20100801
SE*14*0001

Ameren Non-Mass Market

Example shows Dual Bill Option, but this is valid for any bill option.

ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE
ASI*7*021
REF*11*0012345600
REF*12*0312345624
REF*BLT*DUAL
REF*PC*DUAL
REF*9V*N
DTM*007*20100801
NM1*MQ*3*****32*ALL
REF*LU*00000101
NM1*MQ*3*****32*ALL
REF*LU*00007912
SE*18*0001

Example #6 – Enrollment Request – Requested Off Cycle Switch Date and Historical Usage Request

ComEd or Ameren Mass Market

Example shows Dual Bill Option, but this is valid for bill options other than SBO for ComEd.

```
ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE*SH*SW*SH*HU
  ASI*7*021
  REF*11*0012345600
  REF*12*0312345624
  REF*BLT*DUAL
  REF*PC*DUAL
  REF*9V*N
  DTM*MRR*20100711
SE*14*0001
```

Ameren Non-Mass Market

Example shows Dual Bill Option, but this is valid for any bill option.

```
ST*814*0001
BGN*13*2010063000001*20100630
N1*8S*UTILITY*1*006912345
N1*SJ*SUPPLIER*9*007909111IL00
N1*8R*CUSTOMER NAME
LIN*1*SH*EL*SH*CE*SH*SW*SH*HU
  ASI*7*021
  REF*11*0012345600
  REF*12*0312345624
  REF*BLT*DUAL
  REF*PC*DUAL
  REF*9V*N
  DTM*MRR*20100711
  NM1*MQ*3*****32*ALL
  REF*LU*00000101
  NM1*MQ*3*****32*ALL
  REF*LU*00007912
SE*18*0001
```