

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set
ANSI ASC X.12 Version 004010

867

Historical Usage
Version x.x

867 Product Transfer and Resale Report

Functional Group ID=**PT**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

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 | BPT | Beginning Segment for Product Transfer and Resale | M | 1 | | |
| | | | LOOP ID - N1 | | | 5 | |
| | 080 | N1 | Name | O | 1 | | |
| | 120 | REF | Reference Identification | O | 12 | | |

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 - PTD | | | >1 | |
| M | 010 | PTD | Product Transfer and Resale Detail | M | 1 | | |
| | 020 | DTM | Date/Time Reference | O | 10 | | |
| | 030 | REF | Reference Identification | O | 20 | | |
| | | | LOOP ID - QTY | | | >1 | |
| | 110 | QTY | Quantity | O | 1 | | |
| | 160 | MEA | Measurements | O | 40 | | |
| | 210 | DTM | Date/Time Reference | O | 10 | | |

Summary:

| | <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 | 030 | SE | Transaction Set Trailer | M | 1 | | |

Summary of Changes

Month ##, 2008

- Initial Release.

Implementation Notes

Use

- Historical Usage will be provided to RES upon Request. The request will be made using the 814 Historical Usage or 814 Enrollment transaction.
- The history will be provided for an account using the totals for an account (PTD~SU loop) and will not contain meter details.
- The Historical Usage will be sent by Service Point for Ameren and by Account for ComEd.
- Ameren will send historical interval data via EDI based historical usage request. Ameren will NOT send historical interval data based on an enrollment request.
- The RES (N1-SJ) will indicate the RES requesting the historical usage, not the RES currently servicing the customer.
- Ameren: 150kW – 400kW
- ComEd: 100kW – 400kW
- *(Probably could use more language here!)*

Definition of Mass
Market Customers

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~867~0000000001

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set 867 Product Transfer and Resale Report | M ID 3/3 |
| Must Use | ST02 | 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 |

Segment: **BPT** Beginning Segment for Product Transfer and Resale

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data

Syntax Notes: 1 If either BPT05 or BPT06 is present, then the other is required.

Semantic Notes: 1 BPT02 identifies the transfer/resale number.

2 BPT03 identifies the transfer/resale date.

3 BPT08 identifies the transfer/resale time.

4 BPT09 is used when it is necessary to reference a Previous Report Number.

Comments:

Notes:

Required

BPT~52~20081012123456789~20081201~DD

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| Must Use | BPT01 | 353 | Transaction Set Purpose Code | M ID 2/2 |
| | | | Code identifying purpose of transaction set | |
| | | | 52 | Response to Historical Inquiry |
| | | | | Response to a request for historical meter reading. |
| Must Use | BPT02 | 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 should 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 | BPT03 | 373 | Date | M DT 8/8 |
| | | | Date expressed as CCYYMMDD | |
| | | | Transaction Creation Date. This is the date that the transaction was created by the sender's application system. | |
| Must Use | BPT04 | 755 | Report Type Code | M ID 2/2 |
| | | | Code indicating the title or contents of a document, report or supporting item | |
| | | | DD | Distributor Inventory Report |
| | | | | Usage |

Segment: **N1** Name (8S=Utility)
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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~1~123456789

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| Must Use | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) Utility | M ID 2/3 |
| Must Use | N102 | 93 | Name Free-form name Utility Name | M 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 | M ID 1/2 |
| Must Use | N104 | 67 | Identification Code Code identifying a party or other code LDC D-U-N-S Number or D-U-N-S + 4 Number | M AN 9/13 |

Segment: N1 Name (SJ=RES)
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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~1~987654321

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Entity Identifier Code</u> | <u>M ID 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) | M ID 2/3 |
| Must Use | N102 | 93 | Name Free-form name RES Name | M 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 | M ID 1/2 |
| Must Use | N104 | 67 | Identification Code Code identifying a party or other code RES D-U-N-S Number or D-U-N-S + 4 Number | M AN 9/13 |

Segment: **N1** Name (8R=Customer)
Position: 080
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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

| | <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 Consumer Service Provider (CSP) Customer Customer Name | M ID 2/3 |
| Must Use | N102 | 93 | Name Free-form name Customer Name | M AN 1/60 |

Segment: **REF** Reference Identification (11=RES Account Number)
Position: 120
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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 the account is enrolled and was provided on the enrollment or change transaction, the Utility will include the RES account number on all transactions. If the account is not already enrolled with the RES, the Utility will not return the RES account number.
 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 | M AN 1/30 |

Segment: **REF** Reference Identification (12=Utility Account Number)
Position: 120
Loop: N1 Mandatory
Level: Heading
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 | M AN 1/30 |

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

Position: 120

Loop: N1 Mandatory

Level: Heading

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: Required - Historical Usage sent by Service Point
 Ameren Non-Mass Market: Required - Historical Usage sent 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 | M ID 2/3 |
| | | | Code qualifying the Reference Identification | |
| | | | LU | Location Number |
| | | | | Service Point Identifier |
| Must Use | REF02 | 127 | Reference Identification | M AN 1/30 |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | |
| | | | | Service Point Identifier |

Segment: **PTD** Product Transfer and Resale Detail (SU=Summary)

Position: 010

Loop: PTD Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

Syntax Notes: 1 If either PTD02 or PTD03 is present, then the other is required.

2 If either PTD04 or PTD05 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Required

PTD~SU

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|-----------------------------------------------|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| Must Use | PTD01 | 521 | Product Transfer Type Code | M ID 2/2 |
| | | | Code identifying the type of product transfer | |
| | | | SU | Summary |

Consumption Summarized/Totalized for Account by unit of measure.

Segment: QTY Quantity
Position: 110
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

Each QTY/MEA/DTM loop conveys consumption information about one metering period.
 Required
 QTY~QD~1234~KH

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity QD Quantity Delivered | M ID 2/2 |
| Must Use | QTY02 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| Must Use | QTY03 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand KW K3 Kilovolt Amperes Reactive Hour KVARH KH Kilowatt Hour KWH | O ID 2/2 |

Segment: **MEA** Measurements

Position: 160

Loop: QTY Optional

Level: Detail

Usage: Optional (Dependent)

Max Use: 40

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

Syntax Notes: 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.

2 If MEA05 is present, then MEA04 is required.

3 If MEA06 is present, then MEA04 is required.

4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

5 Only one of MEA08 or MEA03 may be present.

Semantic Notes: 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments: 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: Required

MEA~~PRQ~1234~KH~~~51

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| Must Use | MEA02 | 738 | Measurement Qualifier Code identifying a specific product or process characteristic to which a measurement applies PRQ Product Reportable Quantity | M ID 1/3 |
| Must Use | MEA03 | 739 | Measurement Value The value of the measurement Represents quantity of consumption delivered for service period. | M R 1/20 |
| Must Use | MEA04 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand K3 Kilovolt Amperes Reactive Hour KH Kilowatt Hour | M ID 2/2 |
| Must Use | MEA07 | 935 | Measurement Significance Code Code used to benchmark, qualify or further define a measurement value 41 Off Peak 42 On Peak 51 Total | M ID 2/2 |

Segment: **DTM** Date/Time Reference (150=Service Period Start Date)
Position: 210
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 10
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
DTM~150~20090824

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 150 Service Period Start | M ID 3/3 |
| Must Use | DTM02 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

Segment: **DTM** Date/Time Reference (151=Service Period End Date)
Position: 210
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 10
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
DTM~151~20080901

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 151 Service Period End | M ID 3/3 |
| Must Use | DTM02 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

Segment: **PTD** Product Transfer and Resale Detail (FG=Scheduling Determinants)

Position: 010

Loop: PTD Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

Syntax Notes: 1 If either PTD02 or PTD03 is present, then the other is required.

2 If either PTD04 or PTD05 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

This PTD Loop will be used to provide scheduling determinants, such as the capacity obligation, transmission obligation, etc.

Required

PTD~FG

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|----------|-------------|----------------|-----------------------------------------------|-----------------------------------------------------------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| Must Use | PTD01 | 521 | Product Transfer Type Code | M ID 2/2 |
| | | | Code identifying the type of product transfer | |
| | | | FG | Flowing Gas Information |
| | | | | Scheduling Determinants. This loop will provide information required. |

Segment: **DTM** DTM (307=Eligible to switch)
Position: 020
Loop: PTD 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:

Optional
 If customer currently is not available to switch, this will be used to indicate when the customer will be eligible to switch.
 DTM~307~20081225

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 307 Eligibility | M ID 3/3 |
| Must Use | DTM02 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

Segment: **REF** REF (LO=Load Profile Class)
Position: 030
Loop: PTD 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~LO~GS

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 LO Load Planning Number Load Profile Class | 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 Load Profile Class | M AN 1/30 |

Segment: **REF** REF (NH=DPS Rate Class)
Position: 030
Loop: PTD 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~NH~GS1~Large GS

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 NH Rate Card Number LDC Rate Class | 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 Rate Class | M AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content Additional detail on the Rate Class | O AN 1/80 |

Segment: **REF** REF (BF=Bill Cycle)
Position: 030
Loop: PTD 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~BF~12

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 BF Billing Center Identification Billing Cycle | 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 Bill Cycle | M AN 1/30 |

Segment: **REF** REF (PTC=Supply Group)
Position: 030
Loop: PTD 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~PTC~Self-Generating

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 PTC Patent Type Supply Group | 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 Supply Group | M AN 1/30 |

Segment: QTY Quantity (KC=Capacity Contribution-PLC)
Position: 110
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

Ameren: Not Used
ComEd: Required

Zero values may be sent if the utility is, in fact, stating that there is no contribution for this customer's account.

Currently ComEd will change the PLC (capacity contribution) in mid year so the date will be used to indicate when the PLC is effective. Any HU sent from January to June will have two loops, one for the current PLC and one for the pending PLC. Any HU sent after the PLC has changed in the June timeframe will only have the current PLC.
QTY~KC~476~K1

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity KC Net Quantity Decrease Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak). | M ID 2/2 |
| Must Use | QTY02 | 380 | Quantity Numeric value of quantity Represents quantity of consumption delivered for service period. | M R 1/15 |
| Must Use | QTY03 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand KW | M ID 2/2 |

Segment: **DTM** Date/Time Reference (152=Effective Date of Change)
Position: 210
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional
Max Use: 10
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: Capacity Contribution is for June 1 - the following May 31. Therefore this date range is to reflect when the value showing in the QTY02 is in effect.
 Required
 DTM~152~~~~RD8~20070601-20080531

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 152 Effective Date of Change | M ID 3/3 |
| Must Use | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD | M ID 2/3 |
| Must Use | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | M AN 1/35 |

Segment: QTY Quantity (KC=Capacity Contribution-PLC)
Position: 110
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

Ameren: Not Used
 ComEd: Required

Zero values may be sent if the utility is, in fact, stating that there is no contribution for this customer's account.

Currently ComEd will change the PLC (capacity contribution) in mid year so the date will be used to indicate when the PLC is effective. Any HU sent from January to June will have two loops, one for the current PLC and one for the pending PLC. Any HU sent after the PLC has changed in the June timeframe will only have the current PLC.
 QTY~KC~476~K1

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity KC Net Quantity Decrease Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak). | M ID 2/2 |
| Must Use | QTY02 | 380 | Quantity Numeric value of quantity Represents quantity of consumption delivered for service period. | M R 1/15 |
| Must Use | QTY03 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand KW | M ID 2/2 |

Segment: **DTM** Date/Time Reference (152=Effective Date of Change)
Position: 210
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional
Max Use: 10
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: Capacity Contribution is for June 1 - the following May 31. Therefore this date range is to reflect when the value showing in the QTY02 is in effect.
 Required
 DTM~152~~~~RD8~20080601-20090531

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time 152 Effective Date of Change | M ID 3/3 |
| Must Use | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format RD8 Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD | M ID 2/3 |
| Must Use | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | M AN 1/35 |

Segment: QTY Quantity (KZ=Transmission Contribution-NSPL)
Position: 110
Loop: QTY Optional (Dependent)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

Ameren: Not Used
 ComEd: Required

Zero values may be sent if the utility is, in fact, stating that there is no contribution for this customer's account.

QTY~KZ~476~K1

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity KZ Corrective Action Requests-Written Transmission Contribution: Customer's contribution to the Transmission System's annual peak load. | M ID 2/2 |
| Must Use | QTY02 | 380 | Quantity Numeric value of quantity Represents quantity of consumption delivered for service period. | M R 1/15 |
| Must Use | QTY03 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand KW | M ID 2/2 |

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary
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~23~0000000001

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 | 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 | |

Example #1 – Historical Usage Response - Interval

HEADING:

| Segment Contents | Element Description |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ST~867~0008 | Transaction Header |
| BPT~52~2008-10-02-.42.365606~20081001~DD | Transaction Set Purpose Code: 52 , <i>Response to Historical Inquiry</i> , Reference Identification: 2008-10-02-.42.365606 , Transaction Date: 20081001 . Report Type Code: DD , <i>Usage</i> |
| N1~8S~Utility Company~1~123456789 | Entity Identifier: 8S , <i>Utility indicator</i> , Name: Utility Company , <i>Utility Name</i> , Identification Code Qualifier: 1 , <i>Duns Number Indicator</i> , Identification Code: 123456789 , <i>Utility Duns Number</i> . |
| N1~SJ~RES Company~1~987654321 | Entity Identifier: SJ , <i>RES indicator</i> , Name: RES Company , <i>Utility Name</i> , Identification Code Qualifier: 1 , <i>Duns Number Indicator</i> , Identification Code: 987654321 , <i>RES Duns Number</i> . |
| N1~8R~Customer Name | Entity Identifier: 8R , <i>Customer Indicator</i> , Name: Customer Name , <i>Customer Name</i> |
| REF~12~0123456789 | Reference Identifier: 12 , <i>LDC Account Number Indicator</i> , Number: 0123456789 , <i>LDC Account Number</i> |
| LU~00034180 | Reference Identifier: LU , <i>Service Point Indicator</i> , Number: 00034180 , <i>Service Point Identifier</i> |

Detail

| Segment Contents | Element Description |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PTD~SU | Summary Loop for KWH – Kilowatt Hour |
| QTY~QD~1234~KH | Quantity Qualifier: DD , <i>Quantity Delivered</i> , Quantity 2653 , Unit of measure KH , <i>Kilowatt Hour (kwh)</i> |
| MEA~BO~PRQ~1234~KH~~~51 | Measurement ID Code: BO , <i>Quantity Billed</i> , Measurement Qualifier: PRQ , <i>Consumption</i> , Measurement Value: 1234 , <i>Consumption</i> , Unit of Measure, KH , <i>Kilowatt Hour</i> , Measurement Significance Code: 51 , <i>Total</i> . |
| DTM~150~20080901 | Date Qualifier: 150, <i>Service Period Start</i> , Date 20080901 |
| DTM~151~20081001 | Date Qualifier: 151, <i>Service Period End</i> , Date 20081001 |
| QTY~QD~2522~KH | Quantity Qualifier: DD , <i>Quantity Delivered</i> , Quantity 2522 , Unit of measure KH , <i>Kilowatt Hour (kwh)</i> |
| MEA~BO~PRQ~2522~KH~~~51 | Measurement ID Code: BO , <i>Quantity Billed</i> , Measurement Qualifier: PRQ , <i>Consumption</i> , Measurement Value: 2522 , <i>Consumption</i> , Unit of Measure, KH , <i>Kilowatt Hour</i> , Measurement Significance Code: 51 , <i>Total</i> . |
| DTM~150~20080801 | Date Qualifier: 150, <i>Service Period Start</i> , Date 20080801 |
| DTM~151~20080901 | Date Qualifier: 151, <i>Service Period End</i> , Date 20080901 |
| PTD~SU | Summary Loop for KW - Demand |
| QTY~QD~22~K1 | Quantity Qualifier: DD , <i>Quantity Delivered</i> , Quantity 22 , Unit of measure K1 , <i>Kilowatt Demand (kwh)</i> |

| | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MEA~BO~PRQ~22~K1~~~51 | Measurement ID Code: BO , <i>Quantity Billed</i> , Measurement Qualifier: PRQ , <i>Consumption</i> , Measurement Value: 22 , <i>Consumption</i> , Unit of Measure, KH , <i>Kilowatt Hour</i> , Measurement Significance Code: 51 , <i>Total</i> . |
| DTM~150~20080901 | Date Qualifier: 150, <i>Service Period Start</i> , Date 20080901 |
| DTM~151~20081001 | Date Qualifier: 151, <i>Service Period End</i> , Date 20081001 |
| QTY~QD~13~K1 | Quantity Qualifier: DD , <i>Quantity Delivered</i> , Quantity 13 , Unit of measure K1 , <i>Kilowatt Hour (kwh)</i> |
| MEA~BO~PRQ~13~K1~~~51 | Measurement ID Code: BO , <i>Quantity Billed</i> , Measurement Qualifier: PRQ , <i>Consumption</i> , Measurement Value: 13, <i>Consumption</i> , Unit of Measure, KH , <i>Kilowatt Hour</i> , Measurement Significance Code: 51 , <i>Total</i> . |
| DTM~150~20080801 | Date Qualifier: 150, <i>Service Period Start</i> , Date 20080801 |
| DTM~151~20080901 | Date Qualifier: 151, <i>Service Period End</i> , Date 20080901 |
| PTD~FG | Scheduling Determinants Loop |
| DTM~307~20081225 | Date Qualifier: 307 , <i>Eligible switch date</i> , Date, 20081225 |
| REF~LO~GS | Reference Identifier: MG , <i>Load Profile Indicator</i> , GS , <i>Load Profile</i> |
| REF~NH~D04~DS – LG General Service | Reference Identifier: MG , <i>Meter ID</i> , 00000099 , <i>Meter Number</i> |
| REF~BF~22 | Reference Identifier: BF , <i>Billing Cycle</i> , 22 , <i>Billing Cycle</i> |
| REF~PTC~Self-Generating | Reference Identifier: BF , <i>Billing Cycle</i> , Self-Generating , <i>Supply Group</i> |
| QTY~KC~29~K1 | Quantity Qualifier: KC , <i>Capacity Contribution</i> 29 , <i>Transmission Contribution</i> , Unit of Measure: K1 , <i>Kilowatt Demand</i> |
| DTM~152~~~~RD8~20070601-20080531 | Date Qualifier: 152, <i>Effective Start</i> , Date Format: RD8 , <i>Range</i> , Date 20070601-20080531 |
| QTY~KC~42~K1 | Quantity Qualifier: KC , <i>Capacity Contribution</i> , 42 , <i>Transmission Contribution</i> , Unit of Measure: K1 , <i>Kilowatt Demand</i> |
| DTM~152~~~~RD8~20080601-20090531 | Date Qualifier: 152, <i>Effective Start</i> , Date Format: RD8 , <i>Range</i> , Date 20080601-20090531 |
| QTY~KZ~752~K1 | Quantity Qualifier: KZ , <i>Transmission Contribution</i> , 752 , <i>Capacity Contribution</i> , Unit of Measure: K1 , <i>Kilowatt Demand</i> |
| SE~37~0008 | |