#

**Pennsylvania**

**New Jersey**

**Delaware**

**Maryland**

**Implementation**

**Guideline**

**For**

Electronic Data Interchange

**TRANSACTION SET**

**814**

**Move**

**Request**

**Ver/Rel 004010**

#

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|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| October 16, 2013Version 0.1\_DRAFT |  | * Initial Draft version of the 814 Move transaction for Pennsylvania’s Seamless Move / Instant Connect working group.
 |
| October 24, 2013Version 0.2\_DRAFT |  | Draft updated to reflect discussions from the working group.* Removed response portion of transaction
 |
| November 4, 2013Version 0.3\_DRAFT |  | Draft updated to reflect discussions from 10/31 working group meeting* Determined REFBLT, REFPC, DTM150 and REFRB would be applicable as outlined in each respective gray box.
* Returned AMTDP to applicability
 |
| November 7, 2013Version 1.0 DRAFT |  | Updated Table of Contents, Data Dictionary, agreed upon data elements from 11/7 working group meeting, removed all redlines and saved off as PROPOSED version. |
| August 31, 2015Version 1.1 DRAFT |  | Updated proposed version as follows…* Clarified N18R Customer Name
* Clarified REF11 EGS Account Number
* Clarified REF17 Summary Interval Indicator
 |
| October 1, 2015Version 1.2 DRAFT |  | Updated draft version as follows…* Cleaned up General & Pennsylvania Notes Section
* Updated N1\*8R clarification
 |
| November 13, 2015Version 1.0 |  | Finalized for Pennsylvania |

|  |  |  |
| --- | --- | --- |
|  |  | General Notes |
| Use |  | The Move Request can be used in the following situations:* Customer Contacts LDC to Move (LDC sends Move request once criteria has been met.)
 |
| Tracking number on Request  |  | On the request, the LIN01 is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time, and is assigned by the sender of the request transactions.  |
| Initiated by LDC |  | This transaction can only be initiated by the LDC. The customer will need to contact the LDC to trigger the move process. |
| No ESP Response |  | Upon receipt of the EDI 814 Move from the LDC the ESP will not send a response transaction back to the LDC. |
| Information Provided |  | When the LDC sends the Move to the ESP, it will contain the new account number, service address, meter information, etc. as applicable in each segment’s gray box. |
| One Account per 814 |  | One customer account per 814. |
| Multiple LINs |  | For the Move transaction, there may only be one LIN per account per 814. |
| LDC Definitions: |  | The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:* EDC – Electric Distribution Company (Pennsylvania)
 |
| ESP Definitions: |  | The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:* EGS – Electric Generation Supplier (Pennsylvania)
 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | Pennsylvania Notes |
| Applicability |  | * As of 10/12015, the PAPUC ordered the use of the 814 Move by Duquesne Light, FirstEnergy, PECO and PPL.
 |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
|  |  | New Jersey Notes |
| Applicability: |  | * This transaction set is not used in New Jersey
 |

|  |  |  |
| --- | --- | --- |
|  |  | Delaware Notes |
| Applicability: |  | * This transaction set is not used in Delaware
 |

|  |  |  |
| --- | --- | --- |
|  |  | Maryland Notes |
| Applicability: |  | * This transaction set is not used in Maryland
 |

# How to Use the Implementation Guideline

 **Segment: REF Reference Identification**

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

 **Position:** 030

 **Loop:** LIN

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

 **Syntax Notes:** **1** At least one of REF02 or REF03 is required.

1. If either C04003 or C04004 is present, then the other is required.
2. 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:**

The “Notes:” section generally contains notes by the Utility Industry Group (UIG).

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Recommended by UIG |
| **PA Use:**This section is used to show the individual State’s Rules for implementation of this segment. |  | Must be identical to account number as it appears on the customer’s bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. |
|  |  | Request:Accept Response:Reject Response: | RequiredRequiredRequired  |
| **NJ Use:** |  | Same as PA |
| **Example:**One or more examples. |  | REF\*12\*2931839200 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 12 |  | Billing Account |
|  | LDC-assigned account number for end use customer. |
| **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 |

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value,

ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the use of each data element. If state rules differ, this will show “Conditional” and the conditions will be explained in the appropriate grayboxes.

**814 General Request, Response or Confirmation**

# X12 Structure

**Functional Group ID=GE**

|  |  |
| --- | --- |
|  | **Heading** |
|  | **Pos.** | **Seg.** |  | **Req.** |  | **Loop** | **Notes and** |
|  | **No.** | **ID** | **Name** | **Des.** | **Max. Use** | **Repeat** | **Comments** |
| Must Use | 010 | ST | Transaction Set Header | M | 1 |  |  |  |  |  |  |  |  |
| Must Use | 020 | BGN | Beginning Segment | M | 1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 040 | N1 | Name | O | 1 |  | n1 |  |  |  |  |  |  |
|  | 060 | N3 | Address Information | O | 2 |  |  |  |  |  |  |  |  |
|  | 070 | N4 | Geographic Location | O | 1 |  |  |  |  |  |  |  |  |
|  | 080 | PER | Administrative Communications Contact | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
|  | **Detail** |
|  | **Pos.** | **Seg.** |  | **Req.** |  | **Loop** | **Notes and** |
|  | **No.** | **ID** | **Name** | **Des.** | **Max. Use** | **Repeat** | **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 |  |  |  |  |  |  |  |  |
|  | 060 | AMT | Monetary Amount | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  |   |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
|  | **Summary** |
|  | **Pos.** | **Seg.** |  | **Req.** |  | **Loop** | **Notes and** |
|  | **No.** | **ID** | **Name** | **Des.** | **Max. Use** | **Repeat** | **Comments** |
| Must Use | 150 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes:**

1. The N1 loop is used to identify the transaction sender and receiver.

# Data Dictionary for 814 Move

|  |
| --- |
| ***Reinstatement of Generation Services Request and Response Data Dictionary*** |
| ***Appl Field*** | ***Field Name*** | ***Description*** | ***EDI Segment*** | ***Loop / Related EDI Qualifier*** | ***Data******Type*** |
| 1 | Transaction Set Purpose Code | Request = **13** | BGN01 |  | X(2) |
| 2 | Transaction Reference Number  | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over all time. | BGN02  | BGN01 =Request:**13** | X(30) |
| 3 | System Date | Date that the data was processed by the sender's application system. | BGN03  |  | 9(8) |
| 4 | LDC Name | LDC's Name | N102 | N1: N101 = **8S** | X(60) |
| 5 | LDC Duns | LDC's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **8S**N103 = **1** or **9**N106 = **40** or **41** | X(13) |
| 6 | ESP Name | ESP's Name | N102 | N1: N101 = **SJ** | X(60) |
| 7 | ESP Duns | ESP's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **SJ**N103 = **1** or **9**N106 = **40** or **41** | X(13) |
| 8 | Customer Name | Customer Name as it appears on the Customer's Bill | N102 | N1: N101 = **8R** | X(35)Note: X(60) for MD |
| 9 | Customer Reference Number | A reference number assigned by and meaningful to the customer. An example would be Store number | N104 | N1: N101 = **8R**N103 = **1** or **9** | X(30) |
| 10 | Service Address | Customer Service Address | N301 & N302 | N1: N101 = **8R** | X(55) |
| 11 | City | Customer Service Address | N401 | N1: N101 = **8R** | X(30) |
| 12 | State | Customer Service Address | N402 | N1: N101 = **8R** | X(2) |
| 13 | Zip Code | Customer Service Address | N403 | N1: N101 = **8R** | X(9) |
| 14 | County | Customer Service County | N406 | N101 = **8R**N405 = **CO** | X(30) |
| 15 | Customer Contact Name | Customer Contact Name | PER02 | PER01=**IC** | X(60) |
| 16 | Customer Telephone Number | Contact Telephone Number for the customer | PER04 | N1: N101 = **8R**PER01 = **IC**PER03 = **TE** | X(10) |
| 17 | Customer Billing Name | Name on Billing Address | N102 | N1: N101 = **BT** | X(35)Note: X(60) for MD |
| 18 | Customer Billing Street Address | Customer Billing Address | N301 & N302 | N1: N101 = **BT** | X(55) |
| 19 | Billing City | Customer Billing Address | N401 | N1: N101 = **BT** | X(30) |
| 20 | Billing State | Customer Billing Address | N402 | N1: N101 = **BT** | X(2) |
| 21 | Billing Zip Code | Customer Billing Address | N403 | N1: N101 = **BT** | X(9) |
| 22 | Billing Country Code | Customer Billing Address | N404 | N1: N101 = **BT** | X(3) |
| 23 | Billing Contact Name | Billing Contact Name | PER02 | PER01=**IC** | X(60) |
| 24 | Billing Telephone # | Contact Telephone Number related to this billing address | PER04 | N1: N101 = **BT**PER01 = **IC**PER03 = **TE** | X(10) |
| 25 | Third Party Name for copies of notices | Name for Third Party to receive copies of notices | N102 | N1: N101 = **PK** | X(35) |
| 26 | Street Address | Address for Third Party to receive copies of notices | N301 & N302 | N1: N101 = **PK** | X(55) |
| 27 | City | Address for Third Party to receive copies of notices | N401 | N1: N101 = **PK** | X(30) |
| 28 | State | Address for Third Party to receive copies of notices | N402 | N1: N101 = **PK** | X(2) |
| 29 | Zip Code | Address for Third Party to receive copies of notices | N403 | N1: N101 = **PK** | X(9) |
| 30 | Country Code | Address for Third Party to receive copies of notices | N404 | N1: N101 = **PK** | X(3) |
| 31 | Third Party Name Contact Name for Copies of Notices | Third Party Name Contact Name for Copies of Notices | PER02 | PER01=**IC** | X(60) |
| 32 | Telephone Number | Contact for Third Party to receive copies of notices | PER04 | N1: N101 = **PK**PER01 = **IC**PER03 = **TE** | X(10) |
| 33 | Third Party Name for copies of bills | Name for Third Party to receive copies of bills | N102 | N1: N101 = **2C** | X(35) |
| 34 | Street Address | Address for Third Party to receive copies of bills | N301 & N302 | N1: N101 = **2C** | X(55) |
| 35 | City | Address for Third Party to receive copies of bills | N401 | N1: N101 = **2C** | X(30) |
| 36 | State | Address for Third Party to receive copies of bills | N402 | N1: N101 = **2C** | X(2) |
| 37 | Zip Code | Address for Third Party to receive copies of bills | N403 | N1: N101 = **2C** | X(9) |
| 38 | Country Code | Address for Third Party to receive copies of bills | N404 | N1: N101 = **2C** | X(3) |
| 39 | Third Party Contact Name for copies of bills | Name for Third Party Contact to receive copies of bills | N102 | N1: N101 = **2C** | X(35) |
| 40 | Telephone Number | Contact for Third Party to receive copies of bills | PER04 | N1: N101= **2C**PER01 = **IC**PER03 = **TE** | X(10) |
| 41 | Line Item Transaction Reference Number | Unique Tracking Number for each line item in this transaction. This number must be unique over time. | LIN01 |   | X(20) |
| 42 | Generation Services Indicator  | Indicates a customer request to:**CE** - switch to the designated ESP with which he or she has signed a contract for generation services | LIN05 = **CE**  | LIN02 = **SH**LIN03 = **EL**LIN04 = **SH** | X(2) |
| 43 | Action Code | Indicates that the transaction is a request,  | ASI01=Request: **27** | LIN: ASI02 = **025** | X(2) |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** |
| 44 | ESP Account Number | ESP Customer Account Number | REF02 | LIN: REF01= **11** | X(30) |
| 45 | LDC Account Number | New Location LDC Customer Account Number | REF02 | LIN: REF01= **12** | X(30) |
| 46 | Old Account Number | Previous Location LDC Customer Account Number | REF02 | LIN: REF01= **45** | X(30) |
| 47 | Payment Arrangement | Used to indicate whether customer has an active payment arrangement with the LDC. | REF02= **Y** or **N**  | LIN: REF01= **4N** | X(1) |
| 48 | LDC Billing Cycle | LDC Cycle on which the bill will be rendered | REF02 | LIN: REF01= **BF** | X(4) |
| 49 | LDC Billing Cycle – special condition | Indicates LDC Bill Cycle has frequency other than monthly | REF03 | LIN: REF01= **BF** | X(3) |
| 50 | Billing Type | Indicates type of billing- LDC consolidated Billing (REF02=LDC)- ESP consolidated Billing (REF02=ESP)- Dual bills (REF02=DUAL) | REF02 | LIN: REF01= **BLT** | X(4) |
| 51 | Billing Calculation Method | Indicates party to calculate bill. - LDC calculates bill (REF02=LDC)- Each calculate portion (REF02=DUAL) | REF02 | LIN: REF01= **PC** | X(4) |
| 52 | LDC Budget Billing Status | Transmits the current budget billing status shown for this customer on the LDC system. | REF02= **Y** or **N** | LIN: REF01= **NR** | X(1) |
| 53 | PJM LMP Bus | Point at which the customer is connected to the transmission grid | REF03 | LIN: REF01= **SPL** | X(80) |
| 54 | Interval Reporting Indicator | Indicates whether interval data will be reported at the detail, summary, or meter level.  | REF02= **SUMMARY** or **DETAIL or METERDETAIL** | LIN: REF01= **17** | X(30) |
| 55 | Special Meter Configuration Code | Used to convey there’s a special meter present on the account. For example, Net Metering | REF02 | LIN: REF01 = **KY** | X(3) |
| 56 | Special Meter Configuration Information | PPLEU-used to report the max K1 (demand) the special meter supports | REF03 | LIN: REF01 = **KY** | X(80) |
| 57 | Service Period Start | Next Meter Read date on which Energy is expected to flow to this customer for the designated ESP.  | DTM02 | LIN: DTM01 = **150** | 9(8) |
| ***Note that the following AMT segments may appear in any order on the actual EDI transaction.*** |
| 58 | Percent Tax Exemption | Customer's Tax Exemption Percentage -Residential usually 100% (send 1), Commercial/Industrial - anything other than 0% requires you secure tax exemption certificate. (e.g., if 50% send .5) | AMT02 | LIN: AMT01= **DP** | 9(1).9(4) |
| 59 | Peak Load Capacity | Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM's peak) | AMT02 | LIN: AMT01= **KC** | 9(9).99 |
| 60 | Network Service Peak Load | Customer's peak load contribution provided to PJM for the transmission service calculation (coincident with LDC peak) | AMT02 | LIN: AMT01= **KZ** | 9(9).99 |
| 61 | Meter Number | Number which identifies meter | Request: NM109= [***meter number***] or**UNMETERED** | NM101= **MQ**NM102= **3**NM108= **32** | X(30) |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** |
| 62 | Loss Factor | Loss factor | REF02 | NM1:REF01=**LF** | X(30) |
| 63 | Profile Group | A code for the Load Profile used for this customer. Differs by LDC. Codes posted on LDC's Web site. | REF02 | NM1: REF01= **LO** | X(30) |
| 64 | LDC Rate Code | Code indicating the rate a customer is being charged by LDC per tariff. Codes posted on LDC's Web site | REF02 | NM1: REF01= **NH** | X(30) |
| 65 | LDC Rate Subclass Code | Used to provide further classification of a rate. | REF02 | NM1: REF01= **PR** | X(30) |
| 6667 | ESP Rate Code | Rate code identified by LDC that reflects the ESP billing rate category | REF02 | NM1: REF01= **RB** | X(30) |
| 68 | Service Voltage | Service voltage | REF02 | NM1:REF01=**SV** | X(30) |
| 69 | LDC Meter Cycle | LDC Cycle on which the meter will be read | REF02 | NM1: REF01= **TZ** | X(2) |
| 70 | Meter Type | Type of Meter | REF02 | NM1: REF01= **MT** | X(5) |
| 71 | Meter Type Additional Information | Additional information for the meter type | REF03 | NM1: REF01= **MT** | X(80) |
| ***The following three fields each require that the Meter Type be shown in REF03:*** |
| 72 | Meter Constant/Meter Multiplier | Some factor multiplied by the meter reading to give billed usage. | REF02 | NM1: REF01= **4P**REF03 = Meter Type (See REF\*MT) | 9(9).99 |
| 73 | Number of Dials / Digits and related decimal positions | Needed to determine usage if meter reading rolls over during the billing period. Number of dials on the meter displayed as the number of dials to the left of the decimal, a decimal point, and number of dials to the right of the decimal. | REF02 | NM1: REF01= **IX**REF03 = Meter Type (See REF\*MT) | 9.9 |
| 74 | Type of metering used for billing | Indicates the type of metering information that will be sent on the 867 transaction. | REF02= **41** (on peak) or**42** (off peak) **43** (intermediate)or**51** (totalizer) | NM1: REF01 = **TU**REF03 = Meter Type (See REF\*MT) | X(2) |

#  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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Example:** |  | ST\*814\*000000001 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Request Example:** |  | BGN\*13\*199904011956531\*19990401  |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **BGN01** | **353** | **Transaction Set Purpose Code** | **M** | **ID 2/2** |
|  | Code identifying purpose of transaction set |
|  | 13 |  | Request |
| **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. |
| **Must Use** | **BGN03** | **373** | **Date** | **M** | **DT 8/8** |
|  | Date (CCYYMMDD) |
|  | The transaction creation date – the date that the data was processed by the sender’s application system. |

#  Segment: N1 Name (8S=LDC Name)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Required |  |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Request Example:** |  | N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 (as Sender) |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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) |
|  | LDC |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |
|  | LDC Company 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 |
|  | LDC D-U-N-S Number or D-U-N-S + 4 Number |
| **Must Use** | **N106** | **98** | **Entity Identifier Code** | **O** | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual. |
|  | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. |
|  | 41 |  | Submitter |
|  | Entity transmitting transaction set |

#  Segment: N1 Name (SJ=ESP Name)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Required |  |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Request Example:** |  | N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 (as Receiver) |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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 |
|  | ESP |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |
|  | ESP Company 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 |
|  | ESP D-U-N-S Number or D-U-N-S + 4 Number |
| **Must Use** | **N106** | **98** | **Entity Identifier Code** | **O** | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual. |
|  | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. |
|  | 40 |  | Receiver |
|  | Entity to accept transmission |

#  Segment: N1 Name (8R=Customer Name)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required. The customer may have the ability to change the name of the account during the establishment of the new service location. This is the customer name information for the new service location.  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Request Examples:** |  | N1\*8R\*CUSTOMER NAME\*92\*1210N1\*8R\*CUSTOMER NAME |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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 |
|  | Used to identify the customer associated with the LDC service account  |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |
|  | Customer Name as it appears on the customer’s bill |
|  |  |
| **Conditional** | **N103** | **66** | **Identification Code Qualifier** | **X** | **ID 1/2** |
|  | Code designating the system/method of code structure used for Identification Code (67) |
|  | 92 |  | Assigned by Buyer or Buyer's Agent |
|  | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.**Condition:** The N103 and N104 are optional only on the Request transaction. This information is provided at the point of time in the enrollment or re-instatement; an 814 change will not be processed if this data changes. |
| **Conditional** | **N104** | **67** | **Identification Code** | **X** | **AN 2/80** |
|  | Code identifying a party or other code |
|  | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.**Condition:** The N103 and N104 are optional only on the Request transaction. This information is provided at the point of time in the enrollment or re-instatement; an 814 change will not be processed if this data changes. This information may also appear on a Rate Ready 810. |

##  Segment: N3 Address Information

 **Position:** 060

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

 **Purpose:** To specify the location of the named party

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Required for Customer Service Address |   |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** |
|  | Address information |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** |
|  | Address information |

##  Segment: N4 Geographic Location

 **Position:** 070

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify the geographic place of the named party

 **Syntax Notes:** **1** If N406 is present, then N405 is required.

 **Semantic Notes:**

 **Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

 **2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Required for Customer Service Address |   |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGHN4\*ANYTOWN\*PA\*181110001\*\*CO\*LEHIGH |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** |
|  | Free-form text for city name |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** |
|  | Code (Standard State/Province) as defined by appropriate government agency |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** |
|  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |
| **Conditional** | **N405** | **309** | **Location Qualifier** | **X** | **ID 1/2** |
|  | Code identifying type of location |
|  | **PA:** N405 and N406 are provided on the request ONLY when the customer is believed to live in a taxable county for Rate Ready Consolidated Billing. |
|  | CO |  | County/Parish and State |
| **Conditional** | **N406** | **310** | **Location Identifier** | **O** | **AN 1/30** |
|  | Code which identifies a specific location |
|  | **PA:** N405 and N406 are provided on the request ONLY when the customer premise is believed to be located in a taxable county for Rate Ready Consolidated Billing. |

##  Segment: PER Administrative Communications Contact

 **Position:** 080

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To identify a person or office to whom administrative communications should be directed

 **Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

 **2** If either PER05 or PER06 is present, then the other is required.

 **3** If either PER07 or PER08 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Implementation:** |  | Used to provide customer contact information |
| **PA Use:** |  | Request: | Conditional: Must send for customer contact information if it is maintained in the utility’s system. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | PER\*IC\*\*TE\*8005559876PER\*IC\*JOE DOE\*TE\*8005559876\*FX\*8005551111\*EM\*JOE@SERVICE.COM |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | **M** | **ID 2/2** |
|  | Code identifying the major duty or responsibility of the person or group named |
|  | IC |  | Information Contact |
| **Optional** | **PER02** | **93** | **Name** | **O** | **AN 1/60** |
|  | Free-form name |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Must Use** | **PER04** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER06** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER08** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |

#  Segment: N1 Name (BT=Billing Address)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for Billing Address if different than Service Address. If billing address is not available at the time of move initiation, the utility would send 814C at later date if the customer provides. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N1\*BT\*ACCOUNTS PAYABLE DIVISION |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|  | BT |  | Bill-to-Party |
|  | Used to identify a billing address for the customer  |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |

##  Segment: N3 Address Information

 **Position:** 060

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

 **Purpose:** To specify the location of the named party

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for Billing Address if different than Service Address |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** |
|  | Address information |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** |
|  | Address information |

##  Segment: N4 Geographic Location

 **Position:** 070

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify the geographic place of the named party

 **Syntax Notes:** **1** If N406 is present, then N405 is required.

 **Semantic Notes:**

 **Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

 **2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for Billing Address if different than Service Address |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111N4\*ANYTOWN\*PA\*181110001\*US |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** |
|  | Free-form text for city name |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** |
|  | Code (Standard State/Province) as defined by appropriate government agency |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** |
|  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** |
|  | Code identifying the country |

##  Segment: PER Administrative Communications Contact

 **Position:** 080

 **Loop:** N1

 **Level:** Heading:

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To identify a person or office to which administrative communications should be directed

 **Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

 **2** If either PER05 or PER06 is present, then the other is required.

 **3** If either PER07 or PER08 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for billing contact if it is different than service address contact and it is maintained in the utility’s system. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | PER\*IC\*ACCOUNTS PAYABLE DIVISION\*TE\*8005551212 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | **M** | **ID 2/2** |
|  | Code identifying the major duty or responsibility of the person or group named |
|  | IC |  | Information Contact |
| **Optional** | **PER02** | **93** | **Name** | **O** | **AN 1/60** |
|  | Free-form name |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Must Use** | **PER04** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER06** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER08** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |

#  Segment: N1 Name (PK=Party to Receive Copy of Notices)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Notices (not bills) |
| **NJ Use:** |  | Not Used |  |
| **DE Use:** |  | Not Used  |
| **MD Use:** |  | Not used |
| **Example:** |  | N1\*PK\*ANN SMITH |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|  | PK |  | Party to Receive Copy |
|  | Used to identify a third party that is to receive a copy of all notices (not bills) to the end use customer. |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |

##  Segment: N3 Address Information

 **Position:** 060

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

 **Purpose:** To specify the location of the named party

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Notices (not bills) |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** |
|  | Address information |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** |
|  | Address information |

##  Segment: N4 Geographic Location

 **Position:** 070

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify the geographic place of the named party

 **Syntax Notes:** **1** If N406 is present, then N405 is required.

 **Semantic Notes:**

 **Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

 **2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Notices (not bills) |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111N4\*ANYTOWN\*PA\*181110001\*US |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** |
|  | Free-form text for city name |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** |
|  | Code (Standard State/Province) as defined by appropriate government agency |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** |
|  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** |
|  | Code identifying the country |

##  Segment: PER Administrative Communications Contact

 **Position:** 080

 **Loop:** N1

 **Level:** Heading:

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To identify a person or office to which administrative communications should be directed

 **Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

 **2** If either PER05 or PER06 is present, then the other is required.

 **3** If either PER07 or PER08 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Notices (not bills) |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | PER\*IC\*ANN SMITH\*TE\*8005551212PER\*IC\*ANN SMITH\*TE\*8005551212\*FX\*8005551111\*EM\*ANN@SERVICE.COM |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | **M** | **ID 2/2** |
|  | Code identifying the major duty or responsibility of the person or group named |
|  | IC |  | Information Contact |
| **Optional** | **PER02** | **93** | **Name** | **O** | **AN 1/60** |
|  | Free-form name |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Must Use** | **PER04** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER06** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER08** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |

#  Segment: N1 Name (2C=Party to Receive Copy of Bills)

 **Position:** 040

 **Loop:** N1

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Bills |
| **NJ Use:** |  | Not used |  |
| **DE Use:** |  | Not used |  |
| **MD Use:** |  | Not used |  |
| **Example:** |  | N1\*2C\*THOMAS SMITH |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|  | 2C |  | Co-Participant |
|  | Used to identify a third party who shares responsibility for payment of the customer’s bill. This party will receive copies of all bills, not notices. |
| **Must Use** | **N102** | **93** | **Name** | **X** | **AN 1/60** |
|  | Free-form name |

##  Segment: N3 Address Information

 **Position:** 060

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

 **Purpose:** To specify the location of the named party

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Bills |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |  |
| **MD Use:** |  | Not used |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** |
|  | Address information |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** |
|  | Address information |

##  Segment: N4 Geographic Location

 **Position:** 070

 **Loop:** N1

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify the geographic place of the named party

 **Syntax Notes:** **1** If N406 is present, then N405 is required.

 **Semantic Notes:**

 **Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

 **2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Bills |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |  |
| **MD Use:** |  | Not used |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111N4\*ANYTOWN\*PA\*181110001\*US |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** |
|  | Free-form text for city name |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** |
|  | Code (Standard State/Province) as defined by appropriate government agency |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** |
|  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** |
|  | Code identifying the country |

##  Segment: PER Administrative Communications Contact

 **Position:** 080

 **Loop:** N1

 **Level:** Heading:

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To identify a person or office to which administrative communications should be directed

 **Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

 **2** If either PER05 or PER06 is present, then the other is required.

 **3** If either PER07 or PER08 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Optional for Party to Receive Copy of Bills |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |  |
| **MD Use:** |  | Not used |
| **Examples:** |  | PER\*IC\*THOMAS SMITH\*TE\*8005552878PER\*IC\*TOM SMITH\*TE\*8005552878\*FX\*8005551019\*EM\*TOM@SERVICE.COM |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | **M** | **ID 2/2** |
|  | Code identifying the major duty or responsibility of the person or group named |
|  | IC |  | Information Contact |
| **Optional** | **PER02** | **93** | **Name** | **O** | **AN 1/60** |
|  | Free-form name |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Must Use** | **PER04** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER06** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | **X** | **ID 2/2** |
|  | Code identifying the type of communication number |
|  | EM |  | Electronic Mail |
|  | FX |  | Facsimile |
|  | TE |  | Telephone |
| **Optional** | **PER08** | **364** | **Communication Number** | **X** | **AN 1/80** |
|  | Complete communications number including country or area code when applicable |

#  Segment: LIN Item Identification

 **Position:** 010

 **Loop:** LIN

 **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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Required |  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | LIN\*MOVE1999123108000001\*SH\*EL\*SH\*CE |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN01** | **350** | **Assigned Identification** | **O** | **AN 1/20** |
|  | Alphanumeric characters assigned for differentiation within a transaction set |
|  | On the request, this is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time. This number must be returned on the response transaction in the same element. .  |
| **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 Service |
|  | Identifies the product |
| **Must Use** | **LIN04** | **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** | **LIN05** | **234** | **Product/Service ID** | **M** | **AN 1/48** |
|  | Identifying number for a product or service |
|  | CE |  | Generation Services |
|  | Indicates this transaction is related to Generation Services. |
|  |  |  |  |

#  Segment: ASI Action or Status Indicator

 **Position:** 020

 **Loop:** LIN

 **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:** |  | Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment. |
| **PA Use:** |  | Required |  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Request Example:** |  | ASI\*27\*025 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **ASI01** | **306** | **Action Code** | **M** | **ID 1/2** |
|  | Code indicating type of action |
|  | 27 |  | Move Request |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | **M** | **ID 3/3** |
|  | Code identifying the specific type of item maintenance |
|  | 025 |  | Move |
|  | Customer Move |

#  Segment: REF Reference Identification (11=ESP Account Number)

 **Position:** 030

 **Loop:** LIN

 **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:** |  | ESP Account number should exclude punctuation (spaces, dashes, etc). Significant leading and trailing zeros must be included. |
| **PA Use:** |  | Request: | Required if it was provided previously. This is the ESP Account Number from the customer’s “old” service location. If the ESP wants to change the value upon receipt of the EDI 814 Move, they must submit EDI 814C to the LDC. |
| **NJ Use:** |  | Not used |  |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*11\*2348400586 |

Data Element Summary

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 11 |  | Account Number |
|  | ESP-assigned account number for end use customer. |
| **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 |

#  Segment: REF Reference Identification (12=LDC Account Number)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Must be identical to account number as it appears on the customer’s bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. |
|  |  | Request: | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*12\*2931839200 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 12 |  | Billing Account |
|  | New LDC assigned account number for end use customer at new location. |
| **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 |
|  |  |  |  |  |  |
|  |  |
|  |  |  |  |

#  Segment: REF Reference Identification (45=LDC Old Account Number)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*45\*1105687500 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 45 |  | Old Account Number |
|  | LDC assigned account number for end use customer at location prior to move. |
| **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 |

#  Segment: REF Reference Identification (4N=Payment Arrangement)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Used to convey current LDC Payment Arrangement Status of the customer at the point of time of the Enrollment. An 814 Change would not be processed if the status changed. |
|  |  | Request: | Required for PPL EU |
| **NJ Use:** |  | Not Used  |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Example:** |  | REF\*4N\*N |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 4N |  | Special Payment Reference Number |
|  | Used to indicate that customer has made a payment arrangement. |
| **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 |
|  | Y |  | Customer has an active payment arrangement |
|  | N |  | Customer does not have an active payment arrangement |

#  Segment: REF Reference Identification (BF=LDC Bill Cycle)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required |
|  |  | **PA Note:** Normally, Bill Cycle (REF\*BF) and Meter Cycle (REF\*TZ) are the same. An exception is when the account is on a summary bill. When a customer is on a summary bill, the bill cycle (REF\*BF) will reflect the cycle when the bill is issued to the customer. The meter cycle (REF\*TX) will continue to indicate the cycle the account is read. |
| **NJ Use:** |  | Not used |  |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*BF\*15 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | BF |  | Billing Center Identification |
|  | LDC Billing cycle. Cycle number when the billing will be rendered. |
| **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 |

#  Segment: REF Reference Identification (BLT=Billing Type)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*BLT\*LDC |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | BLT |  | Billing Type |
|  | Identifies whether the bill is consolidated by the LDC or ESP, or whether each party will render their own bill. See REF02 for valid values. |
| **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 |
|  | When REF01 is BLT, valid values for REF02 are:  LDC - The LDC bills the customer ESP - The ESP bills the customer DUAL - Each party bills the customer for its own portion |

#  Segment: REF Reference Identification (PC=Bill Calculator)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*PC\*LDC |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | PC |  | Production Code |
|  | Identifies the party that is to calculate the charges on the bill. |
| **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 |
|  | When REF01 is PC, valid values for REF02 are:  LDC - The LDC calculates the charges on the bill (Rate Ready) DUAL - Each party calculates its portion of the bill (Dual or Bill Ready) |

|  |  |
| --- | --- |
| IF … | **THEN…** |
| **Bills the** | **Calculates** | **Billing Party** | **Calc. Party** |
| **Customer** | **LDC Portion** | **ESP Portion** | **REF\*BLT** | **REF\*PC** |
| LDC | LDC | LDC | LDC | LDC |
| LDC | LDC | ESP | LDC | DUAL |
| ESP | LDC | ESP | ESP | DUAL |
| DUAL | LDC | ESP | DUAL | DUAL |

Be careful to use the UIG Standard Code Values LDC and ESP rather than the Pennsylvania versions of those codes.

#  Segment: REF Reference Identification (NR=LDC Budget Billing Status)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Used to convey the budget billing status at the point of time of the enrollment. An 814 change would not be sent if the status changed.  |
|  |  | Request: | Required for PECO; Optional for others |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Example:** |  | REF\*NR\*Y |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | NR |  | Progress Payment Number |
|  | Used to convey LDC Budget Billing Status |
| **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 |
|  | When REF01 is NR, valid values for REF02 are: Y – LDC is Budget Billing LDC charges for this account. N – LDC is not Budget Billing LDC charges for this account. |

#  Segment: REF Reference Identification (SPL=PJM LMP Bus)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Note that the PJM LMP Bus must appear in the REF03 because REF02 is limited to 30 characters and this field requires at least 32.  |
|  |  | Request: | Required if PJM Participant |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*SPL\*\* PJM192478939901287748 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | SPL |  | Standard Point Location Code (SPLC) |
|  | Point at which the customer is connected to the transmission grid (PJM LMP Bus). The represents the Wholesale Settlement Bus. |
| **Must Use** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content  |
|  | PJM LMP Bus – Note REF03 is used, not REF02!! |

#  Segment: REF Reference Identification (17=Summary Interval)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | If the LDC supports the summary interval at the account level, the LDC will send the REF\*17 segment as part of the reinstatement request. The value of the REF02 field for the REF\*17 segment will either be “SUMMARY” or “DETAIL”. **Note:** The REF\*17 is being sent under the LIN05 code of “CE” as part of the move. |
|  |  | Request: | Conditional – always sent if the LDC supports setting of interval summary/detail at the account level, and this is an interval account. If the EGS’s prior option is able to be ported to the new location, the LDC would pass that option. If the EGS’s prior option is unable to be ported (different meter configuration, type, etc.) to the new location, the LDC would pass their default interval data option. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*17\*SUMMARYREF\*17\*DETAILREF\*17\*METERDETAIL (PECO only) |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 17 |  | Client Reporting Category |
|  | Used to convey whether the supplier will receive summary only information for this interval account, or whether the supplier will receive detail and associated summary information for this interval account. |
| **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 |
|  | When REF01 is 17, valid values for REF02 are: **SUMMARY** – Metering party will send only summary level data for this interval account. **DETAIL** – Metering party will send detail data and its associated summary information for this interval account. For PECO this will interpret as account-level detail. **METERDETAIL** – Metering party will send interval details for each meter on the account (PECO only) |

#

#  Segment: REF Reference Identification (KY=Special Meter Configuration)

 **Position:** 030

 **Loop:** LIN

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required when special meter configuration is present on an account.  |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | Not Used |
| **Example:** |  | REF\*KY\* NSUN\*0000026 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | KY |  | Site Specific Procedures, Terms, and Conditions |
|  | Special Meter Configuration |
| **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 |
|  | ASUNAWINAHYDABIOAWSTACHPAMLTNSUNNWINNHYDNBIONWSTNCHPNFOSNMLTNETMETER |  | Net Metering SolarNet Metering WindNet Metering HydroNet Metering BiomassNet Metering WasteNet Metering Combined Heat and PowerNet Metering Multiple Different SourcesNon-Net Metering SolarNon-Net Metering WindNon-Net Metering HydroNon-Net Metering BiomassNon-Net Metering WasteNon-Net Metering Combined Heat and PowerNon-Net Metering Fossil FuelNon-Net Metering Multiple Different SourcesNet Meter (Used for EDCs who will not report the specific type of net meter)  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Optional** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  |  |  |  |
|  | PPLEU: Used for the output rating of the generation equipment reporting in KW and reflects the maximum generation the equipment can produce at any one time |

#  Segment: DTM Date/Time Reference (150=Service Start Date)

 **Position:** 040

 **Loop:** LIN

 **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:** |  | Date which energy is expected to flow for this customer for this ESP.  |
| **PA Use:** |  | Request: | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | DTM\*150\*19990115 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **DTM01** | **374** | **Date/Time Qualifier** | **M** | **ID 3/3** |
|  | Code specifying type of date or time, or both date and time |
|  | 150 |  | Service Period Start |
|  | The date which energy is expected to flow for this customer for the ESP |
| **Must Use** | **DTM02** | **373** | **Date** | **X** | **DT 8/8** |
|  | Date expressed as CCYYMMDD |

#  Segment: AMT Monetary Amount (DP=Tax Exemption Percent)

 **Position:** 060

 **Loop:** LIN

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To indicate the total monetary amount

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Implementation:** |  | This field is used for the non-billing party to tell the billing party the tax exemption amount that should be entered into the billing party's system in order to calculate a bill on the sender’s behalf. This is required only for rate-ready LDC Consolidated billing where the LDC has loaded the ESP rates into their system, the LDC calculates the ESP charges, and places the ESP charges on the LDC bill. The following generic rules are offered to better explain the use of the segment for PA:* Residential customers default to ‘1’ (AMT\*DP\*1~) as 100% tax exempt unless the residence is used for business purposes or vacation home.
* Commercial customers default to ‘0’ (AMT\*DP\*0~) being 0% tax exempt unless the customer presents a sales tax exemption certificate. Should the customer have a tax exemption percentage less than 100% but greater than 0%, the value would be reported as a decimal (AMT\*DP\*.5~). A tax exemption certificate must be secured from the customer.

It’s the ESP’s responsibility to ensure the value in the AMTDP is accurate based on the customer’s tax status. Under Rate Ready billing, correcting inaccurate customer bills due to incorrect tax exemption is not the LDC’s responsibility and in most cases requires the Supplier to address directly with the customer.  |
| **PA Use:** |  | Request: | Required if LDC is calculating the ESP portion of the bill |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | AMT\*DP\*.75AMT\*DP\*.7599 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** | **ID 1/3** |
|  | Code to qualify amount |
|  | DP |  | Exemption |
|  | Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt. |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** | **R 1/18** |
|  | Monetary amount |
|  | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent.  |

#  Segment: AMT Monetary Amount (KC=Peak Load Capacity)

 **Position:** 060

 **Loop:** LIN

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To indicate the total monetary amount

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. |
| **PA Use:** |  | Request: | Required  |
| **NJ Use:** |  | Not used |  |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | AMT\*KC\*752 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** | **ID 1/3** |
|  | Code to qualify amount |
|  | KC |  |  Obligated |
|  | Peak Load Capacity (a.k.a. Load Responsibility): Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak). |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** | **R 1/18** |
|  | Monetary amount |
|  | Peak Load Capacity |

#  Segment: AMT Monetary Amount (KZ=Network Service Peak Load)

 **Position:** 060

 **Loop:** LIN

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To indicate the total monetary amount

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. |
| **PA Use:** |  | Request: | Required  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | AMT\*KZ\*752 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** | **ID 1/3** |
|  | Code to qualify amount |
|  | KZ |  | Mortgager’s Monthly Obligations |
|  | Network Service Peak Load: Customer’s peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak). |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** | **R 1/18** |
|  | Monetary amount |
|  | Network Service Peak Load |

#  Segment: NM1 Individual or Organizational Name

 **Position:** 080

 **Loop:** NM1

 **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:** |  | This segment is used to convey meter level information.  |
| **PA Use:** |  | Request: | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | NM1\*MQ\*3\*\*\*\*\*\*32\*1234568MGNM1\*MQ\*3\*\*\*\*\*\*32\*UNMETERED |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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 |  | Meter Location |
| **Must Use** | **NM102** | **1065** | **Entity Type Qualifier** | **M** | **ID 1/1** |
|  | Code qualifying the type of entity |
|  | 3 |  | Unknown |
|  | The entity name is not segmented; if sent, it is transmitted in NM103 only. |
| **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 |
|  | Meter NumberUNMETERED – for Unmetered Services on the Request transaction |

##

##  Segment:REF Reference Identification (LF=Loss Factor)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for First Energy Companies; Optional for others |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*LF\*2 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | LF |  | Load Planning Number |
|  | Loss Factor |
| **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 |

##  Segment: REF Reference Identification (LO=Load Profile)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for each non-interval meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service. If a Load Profile does not exist for this customer, this segment will not be sent. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*LO\*GS |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | LO |  | Load Planning Number |
|  | Load profile |
| **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 |

##  Segment: REF Reference Identification (NH=LDC Rate Class)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*NH\*RS1 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | NH |  | Rate Card Number |
|  | Identifies a LDC rate class or tariff |
| **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 |

##  Segment: REF Reference Identification (PR=LDC Rate Subclass)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Conditional: If maintained by utility, must be sent for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available for generation service. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*PR\*123 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | PR |  | Price Quote Number |
|  | LDC Rate Subclass – Used to provide further classification of a rate. |
| **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 |

##  Segment: REF Reference Identification (RB=ESP Rate Code)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Rate codes are established between the LDC and ESP prior to Enrollment. |
|  |  | Request: | Required if the LDC is calculating the ESP charges (Rate Ready) This segment must also be sent when account has UNMETERED services available for generation service (Rate Ready). |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*RB\*A29 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | RB |  | Rate code number |
|  | ESP Rate Code for the customer |
| **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 |

## Segment:REF Reference Identification (SV=Service Voltage)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for First Energy Companies; Optional for others |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*SV\*SECONDARY |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | SV |  | Service Charge Number |
|  | Service Voltage |
| **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 |

 PRIMARY

 SECONDARY

 Actual service voltage transmission value (Ex: 34.5kV)

##   Segment: REF Reference Identification (TZ=Meter Cycle)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request: | Required for each meter that is used for billing purposes. This segment is optional in the NM1 Loop for UNMETERED services. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*TZ\*15 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | TZ |  | Total Cycle Number |
|  | LDC Meter Cycle. Cycle number when the meter will be read. |
| **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 |

##  Segment: REF Reference Identification (MT=Meter Type)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | There will be only be one REF\*MT segment for each NM1 loop. If there are multiple meter types on this meter, only one REF\*MT will be sent. It will contain the code **COMBO**. The specific meter type will be identified in the REF03 field in subsequent REF segments for this meter (i.e. REF\*4P, REF\*IX, REF\*TU).  |
|  |  | Request: | Required for each meter that is used for billing purposes. This segment will **not** be provided in the NM1 loop for UNMETERED services.  |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*MT\*KHMON REF\*MT\*COMBO REF\*MT\*COMBO\*I |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | MT |  | Meter Ticket Number |
|  | Meter Type |
| **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 |
|  | When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval., except for the combination meter that records more than one measurement and is noted as "COMBO". Valid values can be a combination of the following values:  |
|  |  |  |  |
|  | Type of Consumption |  | Metering Interval |
|  | K1 | Kilowatt Demand |  | Nnn | Number of minutes from 001 to 999 |
|  | K2 | Kilovolt Amperes Reactive Demand |  | ANN | Annual |
|  | K3 | Kilovolt Amperes Reactive Hour |  | BIA | Bi-annual |
|  | K4 | Kilovolt Amperes |  | BIM | Bi-monthly |
|  | K5 | Kilovolt Amperes Reactive |  | DAY | Daily |
|  | KH | Kilowatt Hour |  | MON | Monthly |
|  | T9 | Thousand Kilowatt Hours |  | QTR | Quarterly |
|  |  |  |  |  |  |
|  | For Example: |
|  |  | KHMON | Kilowatt Hours Per Month |  |  |
|  |  | K1015 | Kilowatt Demand per 15 minute interval |  |  |
|  |  |  |  |
|  | Other Valid Codes |  |  |
|  | COMBO | This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand. |
| **Optional** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | PECO PA Use: When REF01 is MT, valid values for REF03 are:I – Interval data availableM – Interval data NOT available |

##  Segment: REF Reference Identification (4P=Meter Multiplier)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | There will be one REF\*4P segment for each Meter Type. This means that there may be more than one REF\*4P segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*4P to indicate the meter constant for the demand (example: REF\*4P\*1200\*K1015) and a REF\*4P to indicate the meter constant for the kWh (example: REF\*4P\*2400\*KH015). |
|  |  | Request: | Required for each meter type for each meter that is used for billing purposes. This segment will **not** be provided in the NM1 loop for UNMETERED services. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*4P\*10\*KHMONREF\*4P\*100\*K1MON |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | 4P |  | Affiliation Number |
|  | Meter Constant (Meter Multiplier)(Ending Reading – Beginning Reading) \* Meter Multiplier = Billed Usage |
| **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 |
| **Must Use** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Meter Type (see REF\*MT for valid codes) “COMBO” is not a valid code in this element. |

##  Segment: REF Reference Identification (IX=Number of Dials/Digits)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | There will be one REF\*IX segment for each Meter Type. This means that there may be more than one REF\*IX segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*IX to indicate the dials for the demand (example: REF\*IX\*5.1\*K1015) and a REF\*IX to indicate the dials for the kWh (example: REF\*IX\*6.0\*KH015). |
|  |  | Request: | Required for each meter type for each meter that is used for billing purposes that has dials. This segment will **not** be provided in the NM1 loop for UNMETERED services. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Examples:** |  | REF\*IX\*6.0\*KHMONREF\*IX\*5.1\*K1MONREF\*IX\*4.2\*K1015 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | IX |  | Item Number |
|  | Number of Dials on the Meter displayed as the number of dials to the left of the decimal, a decimal point, and the number of dials to the right of the decimal. |
| **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 |
| **Must Use** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code in this element. |

|  |  |  |  |
| --- | --- | --- | --- |
| # Dials | Positions to left of decimal | Positions to right of decimal | X12 Example |
| 6 | 6 | 0 | REF\*IX\*6.0 |
| 6 | 5 | 1 | REF\*IX\*5.1 |
| 6 | 4 | 2 | REF\*IX\*4.2 |

##  Segment: REF Reference Identification (TU=Type of Metering)

 **Position:** 130

 **Loop:** NM1

 **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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | There will be one REF\*TU segment for each Time Of Use reading (for each meter type for each meter) that will be provided on the 867. |
|  |  | Request: | Required for each meter type for each non-interval meter that is used for billing purposes. This segment is provided for UNMETERED services and reflects the type of usage that is reported on the 867. |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | REF\*TU\*41\*K1MONREF\*TU\*42\*K1MONREF\*TU\*51\*K1MON | Multiple TU’s will usually be sent on each 814!!! |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 Attributes**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|  | TU |  | Trial Location Code |
|  | Used to indicate the type of metering information that will be sent on the 867 transaction. |
| **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 |
|  | 41 |  | Off Peak |
|  | 42 |  | On Peak |
|  | 43 |  | Intermediate |
|  | 51  |  | Totalizer |
| **Must Use** | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. |

#  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.

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Not used |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | SE\*28\*000000001 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name X12 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 |

# 814 Move Examples:

## Example: Move Request

**Rate Ready (for Bill Ready or Dual, the AMTDP and REFRB would not be present)**

|  |  |
| --- | --- |
| BGN\*13\*199904011956531\*19990401 | BGN segment indicating this is a Request transaction. |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME\*92\*1210  | Customer Name and reference number  |
| N3\*123 N MAIN ST\*FLR 13 | Service address |
| N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH | City/State/Zip and County for Service Address.  |
| PER\*IC\*MARY JONES\*TE\*8005559876 | Customer Contact name and telephone number |
| N1\*BT\*ACCOUNTS PAYABLE DEPT  | Bill to party |
| N3\*100 WEST AVENUE | Bill to address |
| N4\*ANYTOWN\*PA\*18111  | Bill to City/State/Zip  |
| PER\*IC\*KELLY WEST\*TE\*8005559876 | Bill To Contact name and telephone number |
| N1\*PK\*FRANK SMITH  | Party to Receive Copy Name |
| N3\*459 AVENUE B | Party to Receive Copy Address |
| N4\*ANYTOWN\*PA\*18111  | Party to Receive Copy City/State/Zip |
| PER\*IC\*FRANK SMITH\*TE\*8005559876 | Party to Receive Copy Name |
| N1\*2C\*CAROL WRIGHT  | Co-Participant Name |
| N3\*23948 MAIN STREET | Co-Participant Address |
| N4\*ANYTOWN\*PA\*18111  | Co-Participant City/State/Zip |
| PER\*IC\*CAROL WRIGHT\*TE\*8005559876 | Co-Participant Name and telephone number |
| LIN\*MOVE19991231002\*SH\*EL\*SH\*CE | Transaction reference number, and enrollment request for generation services |
| ASI\*27\*025 | Customer Move  |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*293839200 | LDC Account Number (New Location) |
| REF\*45\*999999999 | LDC Account Number (Old Location) |
| REF\*BF\*18 | LDC Billing Cycle  |
| REF\*BLT\*LDC | LDC calculates the LDC and ESP charges |
| REF\*PC\*LDC | LDC calculates ESP charges |
| REF\*SPL\*\*PJM192478939901287748 | Indicates PJM LMP Bus Number  |
| DTM\*150\*19990425 | Estimated Start Date |
| AMT\*DP\*1 | Tax Exemption Percent (Rate Ready ONLY) |
| AMT\*KC\*12.8 | Peak Load Capacity |
| AMT\*KZ\*14.1 | Network Service Peak Load |
| NM1\*MQ\*3\*\*\*\*\*\*32\*123857G | Meter Number |
| REF\*LO\*GS | LDC Load Profile |
| REF\*NH\*GS1 | LDC Rate class |
| REF\*PR\*123 | LDC Rate Subclass |
| REF\*RB\*0300 | ESP Rate Code (Rate Ready ONLY) |
| REF\*TZ\*18 | LDC Meter Reading Cycle |
| REF\*MT\*COMBO | Meter Type |
| REF\*4P\*1\*KHMON | Meter constant on the kWh register |
| REF\*IX\*6.1\*KHMON | Number of dials/digits |
| REF\*TU\*41\*KHMON | Off peak metering information sent on the 867 |
| REF\*TU\*42\*KHMON | On peak metering information sent on the 867 |
| REF\*4P\*1\*K1MON | Meter constant on the demand (kW) register |
| REF\*IX\*5.0\*K1MON | Number of dials/digits |
| REF\*TU\*41\*K1MON | Off Peak metering information sent on the 867 |
| REF\*TU\*42\*K1MON | On Peak metering information sent on the 867 |