**Connecticut**

**Implementation**

**Guideline**

For

Electronic Data Interchange

**TRANSACTION SET**

**814**

**Historical Usage**

**Ver/Rel 004010**

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| April 3, 2020Version 2.1 |  | * Initial Release of 814 Historical Usage Implementation Guide. Includes Change Control #016 for Hardship Customers.
 |
| August 10, 2020Version 2.2 |  | * Change Control #017
* Eversource will send all Reject Reason Codes (REF\*7G) at the LIN Level, the NM1 Level REF\*7G has been removed.
* New Reject Reason Code DIV (Date Invalid) was added for Eversource to reject an Enrollment, Drop or Change Request with a BGN03 date earlier than the last cycle meter read date.
 |

|  |  |  |
| --- | --- | --- |
|  |  | General Notes |
| **Transaction Use** |  | Upon receipt of the 814 Historical Usage Request, if Historical Usage is available, the 867 Historical Usage transaction will be sent. If Historical Usage is not available or other information is incorrect, an 814 Reject Response will be sent. CT Utilities do not send an 814 Historical Usage Accept Response transaction.Historical Usage can be requested for an entity that is already a customer of the ESP.With proper authorization, Historical Usage can be requested for any customer that has not restricted the release of their historical usage. |
| **Residential Customer & Residential Utility Consolidated Billing (UCB) Defined** |  | Throughout this document there are references to “Residential Customer” related to requirements for sending Supply Summary Information. In these cases, the intent is to identify requirements for customers who have signed a Residential Contract with the Supplier, who will send the Class of Contract/IRA Indicator as REF\*CE\*RES and whose Utility Rate Class is also Residential.Residential Utility Consolidated Billing (UCB) means an account that is on “Complete” (Rate Ready) Billing, has a Class of Contract/IRA Indicator of “RES” and has a Residential Utility Rate Class. |
| **Number of Months** |  | Eversource provides up to 12 months of Historical Usage.United Illuminating provides up to 28 months of Historical Usage. |
| **Eversource Account Numbers (BA & SA)** |  | * The Billing Account (“BA") is assigned to the customer and typically remains with the customer even when moving to another location within Eversource CT electric territory. The BA in the CT electric territory always begins with 51 and is 11 digits long.
* The Service Account ("SA"), also known to suppliers as a "meter number", is a number assigned to the electric location and remains with the location.
* A customer may have one BA and several SA’s.
* For example, a customer may have a BA of BA 51123456789 and have a home at 10 Main St West Hartford CT (SA 987654321) and a home at 2 Beach Rd Old Saybrook CT (SA 246813579).
* If an 814 HU Request is sent via EDI with a BA only, an 867 HU will be sent for each SA associated with the BA.
* If an 814 HU request is sent via EDI with a BA/SA, a response will be sent on that particular BA/SA only.
 |

**\*\*\* How to Read the Implementation Guide \*\*\***

 **Segment: N1 Name (Utility)**

This section is used to show the X12 Rules for this segment.

You must look at the gray boxes below for State Rules.

 **Position:** 080

 **Loop:** N1 Optional (Must Use)

 **Level:** Heading

 **Usage:** Optional (Must Use)

 **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.

This section is used to show the individual State’s Rules for implementation of this segment as well as an example.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | N1\*8S\*CONNECTICUT LIGHT & POWER\*1\*006917090N1\*8S\*UI\*1\*006917967 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** |  | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|   | 8S |  | Consumer Service Provider (CSP) |
|  | Utility |
| **Must Use** | **N102** | **93** | **Name** | **X** |  | **AN 1/60** |
|  | Free-form name |
|  | Utility Name |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | **X** |  | **ID 1/2** |
|  | Code designating the system/method of code structure used for Identification Code (67) |
|   | 1These 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 gray box for the State definition. |  | D-U-N-S Number, Dun & Bradstreet |
| **Must Use** | **N104** | **67** | **Identification Code** | **X** |  | **AN 2/80** |
|  | Code identifying a party or other code |
|  | Utility DUNS Number |

This column shows the State’s requirements for each data element.

This column shows the X12 attributes for each data element. If different, the State rules will show in the gray boxes.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Implied Decimal

ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

**814 General Request, Response or Confirmation**

**Functional Group ID=GE**

**Introduction:**

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

**Heading:**

 **Pos. Seg. Req. Loop Notes and**

 **No. ID Name Des. Max.Use Repeat Comments**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | ST | Transaction Set Header | M | 1 |  |  |  |  |  |  |  |  |
| M | 020 | BGN | Beginning Segment | M | 1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 040 | N1 | Name | O | 1 |  | n1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Detail:**

 **Pos. 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 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  | n2 |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M | 150 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes**

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

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

 **Segment: ST Transaction Set Header**

 **Position:** 010

 **Loop:**

 **Level:** Heading

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To indicate the start of a transaction set and to assign a control number

 **Syntax Notes:**

 **Semantic Notes:** **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | ST\*814\*0001 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ST01** | **143** | **Transaction Set Identifier Code** | **M** |  | **ID 3/3** |
|  | Code uniquely identifying a Transaction Set |
|   | 814 |  | General Request, Response or Confirmation |
| **Must Use** | **ST02** | **329** | **Transaction Set Control Number** | **M** |  | **AN 4/9** |
|  | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set |
|  | Unique number generated by Sender's Translator |

 **Segment: BGN Beginning Segment**

 **Position:** 020

 **Loop:**

 **Level:** Heading

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To indicate the beginning of a transaction set

 **Syntax Notes:** **1** If BGN05 is present, then BGN04 is required.

 **Semantic Notes:** **1** BGN02 is the transaction set reference number.

 **2** BGN03 is the transaction set date.

 **3** BGN04 is the transaction set time.

 **4** BGN05 is the transaction set time qualifier.

 **5** BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | BGN\*13\*2019.06.14.01.51.17.611000\*20190614 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BGN01** | **353** | **Transaction Set Purpose Code** | **M** |  | **ID 2/2** |
|  | Code identifying purpose of transaction set |
|   | 11 |  | Response |
|   | 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. BGN02 of the 814 request is echoed back as the BGN02 on the corresponding 814 response. |
| **Must Use** | **BGN03** | **373** | **Date** | **M** |  | **DT 8/8** |
|  | Date expressed as CCYYMMDD |
|  | The transaction creation date - the date that the data was processed by the sender's application system. |

 **Segment: N1 Name (Utility)**

 **Position:** 040

 **Loop:** N1 Optional

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To identify a party by type of organization, name, and code

 **Syntax Notes:** **1** At least one of N102 or N103 is required.

 **2** If either N103 or N104 is present, then the other is required.

 **Semantic Notes:**

 **Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

 **2** N105 and N106 further define the type of entity in N101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | N1\*8S\*CONNECTICUT LIGHT & POWER\*1\*006917090N1\*8S\*UNITED ILLUMINATING COMPANY\*1\*006917967 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** |  | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|   | 8S |  | Consumer Service Provider (CSP) |
|  | Utility |
| **Must Use** | **N102** | **93** | **Name** | **X** |  | **AN 1/60** |
|  | Free-form name |
|  | Utility Name |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | **X** |  | **ID 1/2** |
|  | Code designating the system/method of code structure used for Identification Code (67) |
|   | 1 |  | D-U-N-S Number, Dun & Bradstreet |
| **Must Use** | **N104** | **67** | **Identification Code** | **X** |  | **AN 2/80** |
|  | Code identifying a party or other code |
|   | 006917090 |  | Eversource |
|   | 006917967 |  | United Illuminating |

 **Segment: N1 Name (Supplier)**

 **Position:** 040

 **Loop:** N1 Optional

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To identify a party by type of organization, name, and code

 **Syntax Notes:** **1** At least one of N102 or N103 is required.

 **2** If either N103 or N104 is present, then the other is required.

 **Semantic Notes:**

 **Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

 **2** N105 and N106 further define the type of entity in N101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | N1\*SJ\*ENERGY SUPPLIER\*1\*111111111N1\*SJ\*ENERGY SUPPLIER\*9\*111111111ABCD |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | **M** |  | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|   | SJ |  | Service Provider |
|  | Supplier |
| **Must Use** | **N102** | **93** | **Name** | **X** |  | **AN 1/60** |
|  | Free-form name |
|  | Supplier |
| **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 |
|  | Energy Supplier DUNS or DUNS+4 Number |

 **Segment: N1 Name (Customer Name Key)**

 **Position:** 040

 **Loop:** N1 Optional

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To identify a party by type of organization, name, and code

 **Syntax Notes:** **1** At least one of N102 or N103 is required.

 **2** If either N103 or N104 is present, then the other is required.

 **Semantic Notes:**

 **Comments:** **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

 **2** N105 and N106 further define the type of entity in N101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | 4-character Customer Name Key including spaces, punctuation, dashes, etc.Residential = First 4 characters of Last NameCommercial = First 4 characters of Company Name |
|  |  | N1\*8R\*SMIT~N1\*8R\*D'AU~N1\*8R\*E &~N1\*8R\*G.B.~N1\*8R\*J C~N1\*8R\*THE~ |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

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

 **Segment: LIN Item Identification**

 **Position:** 010

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To specify basic item identification data

 **Syntax Notes:** **1** If either LIN04 or LIN05 is present, then the other is required.

 **2** If either LIN06 or LIN07 is present, then the other is required.

 **3** If either LIN08 or LIN09 is present, then the other is required.

 **4** If either LIN10 or LIN11 is present, then the other is required.

 **5** If either LIN12 or LIN13 is present, then the other is required.

 **6** If either LIN14 or LIN15 is present, then the other is required.

 **7** If either LIN16 or LIN17 is present, then the other is required.

 **8** If either LIN18 or LIN19 is present, then the other is required.

 **9** If either LIN20 or LIN21 is present, then the other is required.

 **10** If either LIN22 or LIN23 is present, then the other is required.

 **11** If either LIN24 or LIN25 is present, then the other is required.

 **12** If either LIN26 or LIN27 is present, then the other is required.

 **13** If either LIN28 or LIN29 is present, then the other is required.

 **14** If either LIN30 or LIN31 is present, then the other is required.

 **Semantic Notes:** **1** LIN01 is the line item identification

 **Comments:** **1** See the Data Dictionary for a complete list of IDs.

 **2** LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required - Only one LIN Loop is allowed per transaction |
|  |  | LIN\*1\*SH\*EL\*SH\*HULIN\*1\*SV\*EL\*SH\*HU |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN01** | **350** | **Assigned Identification** | **O** |  | **AN 1/20** |
|  | Alphanumeric characters assigned for differentiation within a transaction set |
|  | The LIN01 from the Request will be returned in the LIN01 on the Response |
| **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 |
|  | Supplier Initiated Transactions |
|   | SV |  | Service Rendered |
|  | Utility Initiated Transactions |
| **Must Use** | **LIN03** | **234** | **Product/Service ID** | **M** |  | **AN 1/48** |
|  | Identifying number for a product or service |
|   | EL |  | Electric Service |
| **Must Use** | **LIN04** | **235** | **Product/Service ID Qualifier** | **X** |  | **ID 2/2** |
|  | Code identifying the type/source of the descriptive number used in Product/Service ID (234) |
|   | SH |  | Service Requested |
| **Must Use** | **LIN05** | **234** | **Product/Service ID** | **X** |  | **AN 1/48** |
|  | Identifying number for a product or service |
|   | HU |  | Historical Usage |

 **Segment: ASI Action or Status Indicator**

 **Position:** 020

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To indicate the action to be taken with the information provided or the status of the entity described

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | ASI\*7\*066 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ASI01** | **306** | **Action Code** | **M** |  | **ID 1/2** |
|  | Code indicating type of action |
|   | 7 |  | Request |
|   | U |  | Reject |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | **M** |  | **ID 3/3** |
|  | Code identifying the specific type of item maintenance |
|   | 066 |  | Status Request |
|  | Historical Usage |

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

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

 **3** If either C04005 or C04006 is present, then the other is required.

 **Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | Eversource: Billing Account (BA) - Used with REF\*MG in ES to define unique Customer / Service LocationUnited Illuminating: POD ID |
|  |  | REF\*12\*51123456789REF\*12\*1234567891011 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | 12 |  | Billing Account |
|  | Utility-assigned Account Number for the 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 |
|  | Eversource: 11-digit Bill Account Number including a 51 prefixUnited Illuminating: 13-digit POD ID |

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

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

 **3** If either C04005 or C04006 is present, then the other is required.

 **Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: OptionalReject Response: Required if provided on the Request |
|  |  | REF\*11\*1234567890 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | 11 |  | Account Number |
|  | Supplier Account Number |
| **Must Use** | **REF02** | **127** | **Reference Identification** | **X** |  | **AN 1/30** |
|  | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |
|  | Supplier Account Number |
|  | Eversource: Maximum 20 CharactersUnited Illuminating: Maximum 30 Characters |

 **Segment: REF Reference Identification (Reject Reason Code)**

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

 **3** If either C04005 or C04006 is present, then the other is required.

 **Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedReject Response: Required |
|  |  | Identifies reason(s) a Request was rejected. Identify multiple rejection reasons by repeating the REF\*7G segment.  |
|  |  | REF\*7G\*A76REF\*7G\*A13\*ADDITIONAL REASON TEXT HERE  |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | 7G |  | Data Quality Reject Reason |
| **Must Use** | **REF02** | **127** | **Reference Identification** | **X** |  | **AN 1/30** |
|  | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |
|   | 008 |  | Account exists but is not active |
|   | 103 |  | Account Not Found |
|  | United Illuminating Only |
|   | 104 |  | Name Key specified does not match account |
|  | United Illuminating Only |
|   | 109 |  | POD ID Not Electric Service |
|  | United Illuminating Only |
|   | 154 |  | Invalid DUNS Number |
|  | United Illuminating Only |
|   | 177 |  | Invalid Customer Status |
|  | United Illuminating Only |
|   | 178 |  | Historical Usage Unavailable |
|  | United Illuminating Only |
|   | A13 |  | Other - Requires REF03 with detailed explanation |
|   | A76 |  | Account Not Found |
|   | A77 |  | Name Key specified does not match account |
|   | A91 |  | Account Not Eligible to Enroll with Clean Energy Operators |
|   | ABN |  | Duplicate Request Received |
|   | ACI |  | Action Code (ASI01) Invalid |
|   | ANE |  | Account Not Eligible |
|   | ANL |  | Service Provider not licensed to provide requested service |
|   | C16 |  | Action Code (ASI01) Invalid |
|  | United Illuminating Only |
|   | C17 |  | Maintenance Type Code (ASI02) Invalid |
|  | United Illuminating Only |
|   | CAB |  | Customer Account Blocked |
|   | HUU |  | Historical Usage Unavailable |
|   | MNM |  | Invalid Service Account (REF\*MG) |
|  | Eversource Only |
|   | UND |  | Cannot Identify Supplier |
|   | UNE |  | Cannot Identify Utility |
| **Dep** | **REF03** | **352** | **Description** | **X** |  | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Additional Text Description |

 **Segment: REF Reference Identification (Bill Cycle)**

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

 **3** If either C04005 or C04006 is present, then the other is required.

 **Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedReject Response: Required if rejection is for No Historical Usage available, otherwise Optional |
|  |  | REF\*BF\*01 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | BF |  | Billing Center Identification |
|  | Bill Cycle number when the meter will be read and the bill will be rendered by the Utility |
| **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 |
|  | Two Character Bill Cycle Code (e.g., 01, 02, 03, etc.) |

 **Segment: NM1 Individual or Organizational Name**

 **Position:** 080

 **Loop:** NM1 Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

 **Purpose:** To supply the full name of an individual or organizational entity

 **Syntax Notes:** **1** If either NM108 or NM109 is present, then the other is required.

 **2** If NM111 is present, then NM110 is required.

 **Semantic Notes:** **1** NM102 qualifies NM103.

 **Comments:** **1** NM110 and NM111 further define the type of entity in NM101.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: OptionalReject Response: Optional |
|  |  | NM1\*MQ\*3 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NM101** | **98** | **Entity Identifier Code** | **M** |  | **ID 2/3** |
|  | Code identifying an organizational entity, a physical location, property or an individual |
|   | MQ |  | Metering Location |
| **Must Use** | **NM102** | **1065** | **Entity Type Qualifier** | **M** |  | **ID 1/1** |
|  | Code qualifying the type of entity |
|   | 3 |  | Unknown |

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

 **Position:** 130

 **Loop:** NM1 Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

 **3** If either C04005 or C04006 is present, then the other is required.

 **Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Eversource Request: Optional - Used with REF\*12 in ES to define unique Customer / Service LocationEversource Reject Response: Required if provided on the RequestUnited Illuminating: Not Used |
|  |  | REF\*MG\*123456789 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | **M** |  | **ID 2/3** |
|  | Code qualifying the Reference Identification |
|   | MG |  | Meter Number |
|  | Service Account Identifier |
| **Must Use** | **REF02** | **127** | **Reference Identification** | **X** |  | **AN 1/30** |
|  | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |
|  | Service Account Identifier (SA ID) |

 **Segment: SE Transaction Set Trailer**

 **Position:** 150

 **Loop:**

 **Level:** Detail

 **Usage:** Mandatory

 **Max Use:** 1

 **Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:** **1** SE is the last segment of each transaction set.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | SE\*9\*0001 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

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

**Example Eversource Historical Usage Request & Reject Response**

|  |  |
| --- | --- |
| **Eversource – BA Level Request** | **Eversource – Response** |
| ST\*814\*0001BGN\*13\*3856869999\*20200106N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT POWER\*1\*006917090N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*HUASI\*7\*066REF\*12\*51900111111SE\*9\*0001 | ST\*814\*0001BGN\*11\*3856869999\*20200107N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT POWER\*1\*006917090N1\*8R\*NAMELIN\*1\*SV\*EL\*SH\*HUASI\*U\*066REF\*12\*51900111111REF\*BF\*01REF\*7G\*A77NM1\*MQ\*3SE\*12\*0001 |
| **Eversource – SA Level Request** | **Eversource – Response** |
| ST\*814\*0001BGN\*13\*3856869999\*20200106N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT POWER\*1\*006917090N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*HUASI\*7\*066REF\*12\*51900111111NM1\*MQ\*3REF\*MG\*083577777SE\*11\*0001 | ST\*814\*0001BGN\*11\*3856869999\*20200107N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT POWER\*1\*006917090N1\*8R\*NAMELIN\*1\*SV\*EL\*SH\*HUASI\*U\*066REF\*12\*51900111111REF\*BF\*01REF\*7G\*MNMNM1\*MQ\*3REF\*MG\*083577777SE\*13\*0001 |

**Example United Illuminating Historical Usage Request & Reject Response**

|  |  |
| --- | --- |
| **United Illuminating Request** | **United Illuminating Reject Response for reason other than Historical Usage Unavailable (178)** |
| ST\*814\*0001BGN\*13\*3856869999\*20191211N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*HUASI\*7\*066REF\*12\*1540000001020SE\*9\*0001 | ST\*814\*0001BGN\*11\*000571631356937151880001812510\*20191211N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*NAMELIN\*01\*SV\*EL\*SH\*HUASI\*U\*066REF\*12\*1540000001020REF\*7G\*104NM1\*MQ\*3SE\*12\*0001 |
|  | **United Illuminating Reject Response for Historical Usage Unavailable (178)** |
|  | ST\*814\*0001BGN\*11\*000571631356937151880001812510\*20200127N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*NAMELIN\*01\*SV\*EL\*SH\*HUASI\*U\*066REF\*12\*1540000001020REF\*11\*111111111111REF\*BF\*16REF\*7G\*178NM1\*MQ\*3SE\*13\*0001 |