**Connecticut**

**Implementation**

**Guideline**

For

Electronic Data Interchange

**TRANSACTION SET**

**814**

**Enrollment**

**Ver/Rel 004010**

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| April 3, 2020Version 2.1 |  | * Initial Release of 814 Enrollment 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.
 |
| November 5, 2021Version 2.3 |  | * Change Control #020
* Added the Load Profile (REF\*LO) segment which was inadvertently removed from a prior version.
* Updated examples.
 |

|  |  |  |
| --- | --- | --- |
|  |  | General Notes |
| **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. |
| **Supply Summary Information (SSI)** |  | Throughout the document, there are references to Supply Summary Information (SSI) which includes the following fields that are sent by the Supplier to the Utility for Residential customers on Utility Consolidated Billing for the purpose of printing the information on the customer’s consolidated utility bill.* Next Cycle Rate
* Cancellation Fee
* Rate Term
* Rate Expiration Date
* Variable Rate Indicator *(only required for grandfathered Variable Rate customers)*

SSI information is required when a customer is on a Residential contract with the Supplier, which is identified by the Class of Contract/IRA Identifier segment REF\*CE where REF02 = RES. If any SSI is included for Business customers, it will be disregarded. |
| **Class of Contract/IRA Identifier** |  | All Enrollments, Price Changes and Bill Option Changes must now include the Class of Contract/IRA Identifier segment REF\*CE where REF02 is:* BUS when a customer has signed a Business/Commercial contract with the Supplier
* RES when a customer has signed a Residential contract with the Supplier

If the segment is not included on the 814 Enrollment Request, the utility will reject the Enrollment transaction and report the incident to PURA. Rejection reason codes include:* IE1 - Incomplete Enrollment-IRA Indicator Invalid or Missing for RES Rate Class
* IE2 - Incomplete Enrollment-IRA Indicator Invalid or Missing for BUS Rate Class

If the segment is not included on the 814 Price or Bill Option Change Request, the utility will reject the Change transaction and report the incident to PURA. Rejection reason codes include:* IC1 - Incomplete Change-IRA Indicator Invalid or Missing for RES Rate Class
* IC2 - Incomplete Change-IRA Indicator Invalid or Missing for BUS Rate Class

The Class of Contract/IRA Identifier specifically identifies only the type of contract that the Supplier signed with the customer. It does not identify whether the customer is an Incidental Residential Account.Incidental Residential Accounts (IRAs) are those accounts where the Supplier has a Business/Commercial contract with the customer (REF\*CE\*BUS), but the utility has the customer classified on a Residential Rate Class.*Residential Utility Rate Classes are defined by the LDC Rate Code (REF\*NH):*  *ES: 001, 005 & 007*  *UI: Rate Codes that begin with M010, M161, M725, or M730*  |
| **Cancellation Fee**Utility Consolidated Billing OnlyResidential Customers Only |  | The Cancellation Fee (AMT\*EN) is required on the 814 Enrollment and 814 Price & Bill Option Change transactions from the Supplier to the Utility for Residential customers being enrolled under Utility Consolidated Billing for the purpose of displaying the Supplier’s Cancellation Fee on the utility’s bill. Zero (0) is acceptable and expected if a Cancellation Fee does not apply.If the segment is not included on the 814 Enrollment Request, the utility will reject the Enrollment transaction and report the incident to PURA. Rejection reason codes include:* IE5 - Incomplete Enrollment - Cancellation Fee Invalid or Missing

If the segment is not included on the 814 Price or Bill Option Change Request, the utility will reject the Change transaction and report the incident to PURA. Rejection reason codes include:* IC5 - Incomplete Change - Cancellation Fee Invalid or Missing

The Supplier cancellation fee for ES is presented on the bill at the Service Account level and will be displayed as a whole dollar amount only, decimals will not be presented.  |
| **Next Cycle Rate**Utility Consolidated Billing OnlyResidential Customers Only |  | The Next Cycle Rate (REF\*PL) is required on the 814 Enrollment and 814 Price & Bill Option Change transactions from the Supplier to the Utility for Residential customers being enrolled under Utility Consolidated Billing for the purpose of displaying the Supplier’s Next Cycle Rate on the utility’s bill. As of 4/2/2019, under Docket 14-07-19RE05, suppliers must include the Next Cycle Rate (REF\*PL) on the Enrollment transaction and it must match the Billing Rate (REF\*PR). If the segment is not included on the 814 Enrollment Request, the utility will reject the Enrollment transaction and report the incident to PURA. Rejection reason codes include:* IE6 - Incomplete Enrollment - Next Cycle Rate Invalid or Missing
* IE7 - Incomplete Enrollment - Next Cycle Rate Does Not Match Billing Rate

If the segment is not included on the 814 Price or Bill Option Change Request, the utility will reject the Change transaction and report the incident to PURA. Rejection reason codes include:* IC6 - Incomplete Change - Next Cycle Rate Invalid or Missing
* IC7 - Incomplete Change - Next Cycle Rate Does Not Match Billing Rate

The Next Cycle is defined by PURA under Docket 14-07-19RE01 as follows:“...the Next Rate is intended to show residential customers the generation rate that will be assessed in an upcoming consumption period, not to inform the customer about a change in their generation rate after they begin incurring that rate for consumption in a billing period that is already underway. Conn. Gen. Stat. §16-245d(a)(2) intended that the Next Rate provide customers timely information to take action regarding the upcoming generation rate if necessary to avoid being billed at a higher than anticipated rate. Based on the foregoing, the Authority finds that the Next Rate displayed on the Billing Period statement must reflect the rate that the customer will be assessed in Consumption Period 2, the month of June, a forward looking rate.”  |
| **Supplier Rate Term and Rate Expiration Date**Utility Consolidated Billing OnlyResidential Customers Only |  | The Supplier Rate Term (REF\*TC) and Rate Expiration Date (DTM\*036) are required on the 814 Enrollment and 814 Price and Bill Option Change transactions from the Supplier to the Utility for Residential customers being enrolled under Utility Consolidated Billing for the purpose of displaying the Supplier Rate Term and Rate Expiration Date on the utility’s bill.If the segment is not included on the 814 Enrollment Request, the utility will reject the Enrollment transaction and report the incident to PURA. Rejection reason codes include:* IE3 - Incomplete Enrollment - Rate Term Invalid or Missing
* IE4 - Incomplete Enrollment - Rate Expiration Date Invalid or Missing

If the Effective Month plus the Rate Term do not match the Rate Expiration Date on the Enrollment, the utility will update the Rate Expiration Date. United Illuminating will send Status Reason Code: * IE8 - Incomplete Enrollment - Effective Month + Term not equal to Rate Expiration Date

If the segment is not included on the 814 Price or Bill Option Change Request, the utility will reject the Change transaction and report the incident to PURA. Rejection reason codes include:* IC3 - Incomplete Change - Rate Term Invalid or Missing
* IC4 - Incomplete Change - Rate Expiration Date Invalid or Missing
* IC8 - Incomplete Change - Effective Month + Term not equal to Rate Expiration Date
* IC9 - Incomplete Change - Customer Will Drop Before Change Would Be Effective
 |
| **Supplier Rate Expiration Date = Revenue Month**  |  | The Supplier Rate Expiration “Date” identified above is the Month and Year of the Utility’s Bill Cycle, which may be different than the month and year of the actual scheduled meter read date. For example, Eversource’s Bill Cycle 1 for April 2020 is March 31, 2020. The Supplier Rate Expiration Date must be 202004 to represent the revenue month of the bill cycle, not 202003 which is when the scheduled meter read occurs. |
| **Variable Rate Indicator**Utility Consolidated Billing OnlyResidential Customers Only |  | The Variable Rate Indicator is optional as “NV” Fixed on the 814 Enrollment and conditional as “V” Variable or “NV” Fixed on the 814 Price & Bill Option Change transactions from the Supplier to the Utility for Residential customers being enrolled under Utility Consolidated Billing for the purpose of displaying the Supplier’s Variable Rate Indicator on the utility’s bill. * All 814 Enrollment transactions for Residential customers should include a Variable Rate Indicator of “NV” in the (REF\*PR/REF03) element. NV indicates Fixed, or Not Variable and all Residential enrollments must be on a fixed rate contract.
* This field is recommended, but the utility will not reject it if it is not present and instead will default to “Fixed”.
 |
| **Dropping Customers to Default Service for Enrollment Rejections** |  | When an enrollment is rejected for a Residential customer that is active with another supplier, and the new supplier does not send a corrected enrollment in time to be scheduled for the next meter read date, the utility will drop the customer to default service by sending the active supplier a Drop transaction with Drop Reason Code IED and report the incident to PURA. |
| **Dropping Customers to Default Service for Missing Price Changes** |  | When the Supplier Term or Expiration Date changes (renewal) for Residential Utility Consolidated Billing customers, the Supplier must send an 814 Change transaction in time to at least update the Rate Expiration Date. If no 814 Change transaction is received, and the customer has not switched, the utility will revert the customer to default service and send an 814 Drop to the supplier with drop reason code ICD.  |
| **Change Transactions** |  | Changes sent on Pending Accounts will be rejected. Changes may be sent after the Effective Date of the enrollment. Multiple 814 Transactionsfor the same account cannot be sent in a single processing day* ES: Last NAESB EDM Pull is at 3:00 PM ET Monday through Friday, excluding holidays
* UI: Last NAESB EDM Pull is at 12:00 PM ET Monday through Friday, excluding holidays
 |
| **Final Bill for Supplier** |  | When the customer switches from Supplier A to Supplier B, please note the following related to the Final Bill for Supplier A:ES: For the final bill for the Supplier, the SB2 information (cancellation fee, term, expiration) will display the information from the prior bill period. The next month’s rate will display the rate that the customer will be billed for the next bill cycle for the new supplier.UI: For the final bill for the Supplier, the SB2 information (cancellation fee, term, expiration) will display the current period information for the new supplier. The next month’s rate will display the rate that the customer will be billed for the next bill cycle for the new supplier. |
| **Timing of Rate Changes** |  | **Residential Contracts**: Price Changes must be sent at least 2 business days prior to the meter read prior to the intended effective date.**Commercial Contracts**: For Eversource, Price Changes will be back dated. **Example** Target Effective Date of 11/15/2019 & All Meter Reads 15th of the Month. Note that the actual dates may vary slightly.

|  |  |  |
| --- | --- | --- |
| **Utility** | **Contract Type** | **Date Must Be Sent** |
| Eversource | Residential | 9/16/2019 to 10/11/2019 |
| Eversource | Business | 11/16/2019 to 12/12/2019 |
| United Ill. | Residential | 9/16/2019 to 10/11/2019 |
| United Ill. | Business | 10/16/2019 to 11/12/2019 |

Note if an account has a Class of Contract/IRA Indicator of RES and the Utility Rate Class is Commercial, the account will be treated as a Commercial account following the “Business” timelines above. |
| **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 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

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

**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 |  |  |  |  |  |  |
|  | 060 | N3 | Address Information | O | 2 |  |  |  |  |  |  |  |  |
|  | 070 | N4 | Geographic Location | 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 |  | n2 |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  | 140 | DTM | Date/Time Reference | 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: N3 Address Information (Customer Service Address)**

 **Position:** 060

 **Loop:** N1 Optional

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Optional if sent on Request |
|  |  | N3\*123 MAIN ST\*APT 2 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

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

 **Segment: N4 Geographic Location (Customer Service Address)**

 **Position:** 070

 **Loop:** N1 Optional

 **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.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | N4\*WEST HARTFORD\*CT\*061101940\*USN4\*BRIDGEPORT\*CT\*06610\*US |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name 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) |
|  | **N404** | **26** | **Country Code** | **O** |  | **ID 2/3** |
|  | Code identifying the country |

 **Segment: N1 Name (Billing Address)**

 **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:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | N1\*BT\*NV |

**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 |
|   | BT |  | Bill-to-Party |
| **Must Use** | **N102** | **93** | **Name** | **X** |  | **AN 1/60** |
|  | Free-form name |
|   | NV |  | No Value |

 **Segment: N3 Address Information (Billing Address)**

 **Position:** 060

 **Loop:** N1 Optional

 **Level:** Heading

 **Usage:** Optional

 **Max Use:** 2

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | N3\*152 MAIN ST\*APT 3G |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

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

 **Segment: N4 Geographic Location (Billing Address)**

 **Position:** 070

 **Loop:** N1 Optional

 **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.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | N4\*MIDDLETOWN\*CT\*06457\*US |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **N401** | **19** | **City Name** | **O** |  | **AN 2/30** |
|  | Free-form text for city name |
|  | **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) |
|  | **N404** | **26** | **Country Code** | **O** |  | **ID 2/3** |
|  | Code identifying the country |

 **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\*CELIN\*1\*SV\*EL\*SH\*CE |

**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 |
|   | CE |  | Customer Enrollment |

 **Segment: ASI Action or Status Indicator**

 **Position:** 020

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** 1

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | ASI\*7\*021 |

**Data Element Summary**

 **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 |
|   | WQ |  | Accept |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | **M** |  | **ID 3/3** |
|  | Code identifying the specific type of item maintenance |
|   | 021 |  | Addition |

 **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: RequiredAccept Response: RequiredReject Response: Required if provided on the Request |
|  |  | Identifier that uniquely defines the Customer in Supplier systems. The Utility is required to store this ID and send on transactions to the Supplier. |
|  |  | 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 (Status 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 UsedAccept Response: OptionalReject Response: Not Used |
|  |  | REF\*1P\*IE8REF\*1P\*IE8\*Rate Expiration Date Updated |

**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 |
|   | 1P |  | Accessorial Status Code |
|  | Status Reason Code |
| **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 |
|   | A13 |  | Other - Requires REF03 with detailed information |
|   | IE8 |  | Incomplete Enrollment - WARNING: Rate Expiration Date Updated |
|  | Notifies the supplier that although the Effective Start Date + Rate Term did not equal the Rate Expiration Date, the Utility accepted the Enrollment and updated the Rate Expiration Date to the date provided on the Enrollment Response. These incidents will be reported to PURA and the supplier is required to update the Rate Expiration Date in their system. |
| **Dep** | **REF03** | **352** | **Description** | **X** |  | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Used to further describe the reason code sent in REF02. "A13" requires a text explanation in this element. |

 **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 UsedAccept Response: Not UsedReject Response: Required |
|  |  | Identifies reason(s) a Request was rejected. Identify multiple rejection reasons by repeating the REF\*7G segment.  |
|  |  | REF\*7G\*IE1REF\*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 |
|   | 102 |  | Invalid Supplier Account Number |
|  | United Illuminating Only |
|   | 103 |  | Invalid Distribution Company Account Number |
|  | United Illuminating Only |
|   | 104 |  | Invalid Name Key |
|  | United Illuminating Only |
|   | 107 |  | Invalid Billing Option |
|  | United Illuminating Only |
|   | 109 |  | Invalid Supplier Rate Code |
|  | United Illuminating Only |
|   | 110 |  | Invalid Supplier Pricing Option |
|  | United Illuminating Only |
|   | 154 |  | Invalid DUNS Number |
|  | United Illuminating Only |
|   | 164 |  | Customer Already Enrolled (Not First In0 |
|  | United Illuminating Only |
|   | 165 |  | Supplier on Probation |
|  | United Illuminating Only |
|   | 167 |  | Customer Already Enrolled for Same Supplier |
|  | United Illuminating Only |
|   | 170 |  | Invalid Public Aggregator Code |
|  | United Illuminating Only |
|   | 177 |  | Invalid Customer Status |
|  | United Illuminating Only |
|   | A13 |  | Other - Requires REF03 with detailed explanation |
|   | A74 |  | Supplier Account Number Missing or Invalid |
|   | 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 |
|   | APA |  | Account Pending Active |
|   | B30 |  | Currently Enrolled (Not First In) |
|   | C14 |  | Invalid Service Requested Value |
|  | United Illuminating Only |
|   | C16 |  | Invalid Action Indicator |
|  | United Illuminating Only |
|   | C17 |  | Invalid Detail Action Indicator |
|  | United Illuminating Only |
|   | C29 |  | Invalid Percentage Value |
|  | United Illuminating Only |
|   | CAB |  | Customer Account Block |
|   | DIV |  | Date Invalid |
|  | Eversource Only - If the date in the BGN\*13 segment BGN03 is earlier than the last cycle meter read date, the EDI 814 request will be rejected with rejection response code DIV. |
|   | FRB |  | Incorrect Billing Option (REF\*BLT) Requested |
|   | I1J |  | Invalid Load Asset ID Number |
|   | IE1 |  | Incomplete Enrollment - IRA Indicator Invalid or Missing for Residential Rate Class |
|   | IE2 |  | Incomplete Enrollment - IRA Indicator Invalid or Missing for Non-Residential Rate Class |
|   | IE3 |  | Incomplete Enrollment - Rate Term Invalid or Missing |
|   | IE4 |  | Incomplete Enrollment - Rate Expiration Date Invalid or Missing |
|   | IE5 |  | Incomplete Enrollment - Cancellation Fee Invalid or Missing |
|   | IE6 |  | Incomplete Enrollment - Next Cycle Rate Invalid or Missing |
|   | IE7 |  | Incomplete Enrollment - Next Cycle Rate Does Not Match Billing Rate |
|   | M1J |  | Missing Load Asset Id Number |
|   | MNM |  | Invalid Service Account (REF\*MG) |
|   | PCI |  | Price Code Invalid |
|   | UND |  | Cannot Identify Supplier |
|   | UNE |  | Cannot Identify Utility |
|   | W05 |  | Requested Rate not found or not in effect on the requested date (Rate Ready Only) |
| **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 (Billing Option)**

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

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

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

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: RequiredAccept Response: RequiredReject Response: Optional if provided on the Request |
|  |  | REF\*BLT\*LDC |

**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 |
|   | BLT |  | Billing Type |
|  | Identifies the party or parties sending the bill to 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 |
|   | DUAL |  | Each party sends a bill to the Customer |
|  | Also known as Pass-Through Billing |
|   | LDC |  | Utility Consolidated Billing |
|  | Also known as Complete or Rate Ready Billing |

 **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 UsedAccept Response: RequiredReject Response: Not Used |
|  |  | 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: REF Reference Identification (Load Asset Identifier)**

 **Position:** 030

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

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

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

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Optional |
|  |  | REF\*1J\*17777 |

**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 |
|   | 1J |  | Facility ID Number |
|  | Load Asset 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 |
|  | Load Asset Identifier |

 **Segment: REF Reference Identification (No ICAP Tag Indicator)**

 **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 UsedAccept Response: OptionalReject Response: Not Used |
|  |  | REF\*KC\*NO ICAP TAG |

**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 |
|   | KC |  | Exhibit Distribution List |
|  | Indicates that the ICAP Tag is not available at this time |
| **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 |
|  | "NO ICAP TAG" |

 **Segment: REF Reference Identification (Standard Point Location Code Zone)**

 **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 UsedAccept Response: RequiredReject Response: Not Used |
|  |  | Code identifying ISO-NE wholesale settlement zone. Note use of REF03 for value. Each Customer is associated to a zone within the ISO as determined by the LDC. Energy will be delivered to these zones for a Customer within the zone assigned by their Supplier. The zone attribute is returned in the successful Enrollment Response. When the zone is changed by the LDC, an 814 Change transaction is sent by the LDC with the new REF\*SPL\*\*ZONE identified. The zone is also issued on a MOVE transaction and a Historical Usage 867 Document. Other ISO-NE zones include MAINE, NEMASSBOST, NEWHAMPSHIRE, RHODEISLAND, SEMASS, VERMONT, WCMASS. |
|  |  | REF\*SPL\*\*CONNECTICUT |

**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 |
|   | SPL |  | Standard Point Location Code (SPLC) |
|  | ISO-NE Settlement Zone |
| **Must Use** | **REF03** | **352** | **Description** | **X** |  | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|   | CONNECTICUT |  |  |
|  |  |

 **Segment: REF Reference Identification (Utility Budget Billing Status)**

 **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 UsedAccept Response: RequiredReject Response: Not Used |
|  |  | REF\*NR\*Y |

**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 |
|   | NR |  | Progress Payment Number |
|  | Utility Budget Billing Status at time of Enrollment. 814 Changes are not required if the status changes. |
| **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 |
|   | N |  | No, customer is not on a Utility Budget Billing at the time of Enrollment |
|   | Y |  | Yes, customer is on a Utility Budget Billing program at the time of Enrollment |

 **Segment: REF Reference Identification (Special Meter Configuration)**

 **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 UsedAccept Response for Eversource: Sent if account has at least one generation meterAccept Response for United Illuminating: Not Used - Net metered accounts can be identified by UI Utility Rate Class codes that begin with M725, M730, M785, M790 and M795.Reject Response: Not Used |
|  |  | REF\*KY\*NETMETER |

**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 |
|   | 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 |
|   | NETMETER |  | Net Meter is present on the account |

 **Segment: REF Reference Identification (Class of Contract/IRA Identifier)**

 **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 |
|  |  | Code identifying the type of contract (Residential or Business) signed by the customer with the Supplier in order to facilitate the ability to distinguish an Incidental Residential Account. When "RES" is sent on the Enrollment or Change Request, the Supplier must also send the Supply Summary Information, including:  Cancellation Fee (AMT\*EN) Rate Term (REF\*TC) Rate Expiration Date (DTM\*036) Next Cycle Rate (REF\*PL)When "BUS" is sent on the Enrollment or Change Request, the Supply Summary Information is not expected. |
|  |  | REF\*CE\*RESREF\*CE\*BUS |

**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 |
|   | CE |  | Class of Contract Code |
|  | Type of contract the customer signed with the Supplier, used to identify Incidental Residential Accounts |
| **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 |
|   | BUS |  | Business Contract Signed with Customer |
|  | Indicates Incidental Residential Account if customer is assigned a Residential rate class by the Electric Distribution Company, including: Eversource Rates 001, 005, 007 United Illuminating Rates beginning with M010, M161, M725, M730. |
|   | RES |  | Residential Contract Signed with Customer |

 **Segment: DTM Date/Time Reference (Effective Date)**

 **Position:** 040

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify pertinent dates and times

 **Syntax Notes:** **1** At least one of DTM02 DTM03 or DTM05 is required.

 **2** If DTM04 is present, then DTM03 is required.

 **3** If either DTM05 or DTM06 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | DTM\*007\*\*\*\*D8\*20191207 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **DTM01** | **374** | **Date/Time Qualifier** | **M** |  | **ID 3/3** |
|  | Code specifying type of date or time, or both date and time |
|   | 007 |  | Effective |
| **Must Use** | **DTM05** | **1250** | **Date Time Period Format Qualifier** | **X** |  | **ID 2/3** |
|  | Code indicating the date format, time format, or date and time format |
|   | D8 |  | Date Expressed in Format CCYYMMDD |
| **Must Use** | **DTM06** | **1251** | **Date Time Period** | **X** |  | **AN 1/35** |
|  | Expression of a date, a time, or range of dates, times or dates and times |
|  | Enrollment Effective Date |

 **Segment: AMT Monetary Amount (Sales Tax Exemption)**

 **Position:** 060

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response - Optional |
|  |  | AMT\*T\*1AMT\*DP\*1 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** |  | **ID 1/3** |
|  | Code to qualify amount |
|   | DP |  | Exemption |
|  | Identifies the entire load is exempt from taxation |
|   | T |  | Tax |
|  | Identifies the entire load is taxable |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** |  | **R 1/18** |
|  | Monetary amount |
|   | 1 |  | 1 = 100% |

 **Segment: AMT Monetary Amount (Capacity Obligation/ICAP Tag)**

 **Position:** 060

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | This segment is used in conjunction with the REF\*KC. If REF\*KC\*NO ICAP TAG is present, then the zero value shown in this segment shall be disregarded. |
|  |  | AMT\*KC\*2.822 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** |  | **ID 1/3** |
|  | Code to qualify amount |
|   | KC |  | Obligated |
|  | Capacity Obligation/ICAP Tag |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** |  | **R 1/18** |
|  | Monetary amount |
|  | Capacity Obligation/ICAP Tag |

 **Segment: AMT Monetary Amount (Supplier Cancellation Fee)**

 **Position:** 060

 **Loop:** LIN Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

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

 **Syntax Notes:**

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Required for Residential Utility Consolidated Billing (UCB)Accept Response: Required if provided on the Request and the Utility Rate Class is Residential. Optional if provided on the Request and the Utility Rate Class is Commercial.Reject Response: Optional if provided on the RequestNote for accounts where the Class of Contract/IRA Indicator is "RES" and the Utility Rate Class is Commercial, the Utility will treat the customer as a Commercial customer and this information will not be printed on the customer's bill. |
|  |  | This information will print on a Residential customer bill.If the AMT\*EN is not sent for a Residential UCB Customer Enrollment, UCB Price Change or Bill Option Change to UCB, the transaction will be rejected with IC5 - Incomplete Change - Cancellation Fee Invalid or Missing. |
|  |  | AMT\*EN\*50AMT\*EN\*0 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | **M** |  | **ID 1/3** |
|  | Code to qualify amount |
|   | EN |  | Cancellation Fee |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | **M** |  | **R 1/18** |
|  | Monetary amount |
|  | Supplier Cancellation Fee to be displayed on the residential customer's consolidated bill |

 **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: Required for Residential Utility Consolidated Billing (UCB) or if enrolling an account at the SA IDAccept Response: RequiredReject 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 Accept Response: RequiredEversource Reject Response: OptionalUnited 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: REF Reference Identification (Type of Service)**

 **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:** |  | Request: Not UsedAccept Response: OptionalReject Response: Not Used |
|  |  | REF\*PRT\*A |

**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 |
|   | PRT |  | Product Type |
|  | Type of Service |
| **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 |
|   | A |  | Apply to All Services |
|   | C |  | Combined Service |
|   | D |  | Metered Service Demand kWh |
|   | E |  | Metered Service kWh |
|   | H |  | Controlled Hot Water |
|   | L |  | Lighting Service |
|   | N |  | Non-metered Service |
|   | T |  | Metered Service TOU |

 **Segment: REF Reference Identification (Supplier Pricing Structure)**

 **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:** |  | Request: Required for Utility Consolidated Billing (UCB)Accept Response: Required if provided on the RequestReject Response: Optional if provided on the Request |
|  |  | Eversource Rate Format: 7 characters with an implied decimal after the first position. For example, 0084900 = $0.0849United illuminating Rate Format: 3 characters, space, 3 characters (codes must be previously established with the utility). For example, XXX 123 reflects whatever rate was established for that code at the utility |
|  |  | REF\*PR\*XXX 123\*NVREF\*PR\* 0084900\*VREF\*PR\* 0092500 |

**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 |
|   | PR |  | Price Quote Number |
|  | Supplier Pricing Structure |
| **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 Pricing Structure |
| **Dep** | **REF03** | **352** | **Description** | **X** |  | **AN 1/80** |
|  | A free-form description to clarify the related data elements and their content |
|  | Optional for Enrollment and Change Request for Residential Utility Consolidated Billing. If not sent, the utility will default to Fixed. This information will print on a Residential customer bill as either "Fixed" or "Monthly". |
|   | NV |  | Not Variable (Fixed) |
|   | V |  | Variable (Month-to-Month) |

 **Segment: REF Reference Identification (Supplier Next Cycle Rate)**

 **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:** |  | Request: Required for Residential Utility Consolidated Billing (UCB)Accept Response: Required if provided on the Request and the Utility Rate Class is Residential. Optional if provided on the Request and the Utility Rate Class is Commercial.Reject Response: Optional if provided on the RequestNote for accounts where the Class of Contract/IRA Indicator is "RES" and the Utility Rate Class is Commercial, the Utility will treat the customer as a Commercial customer and this information will not be printed on the customer's bill. |
|  |  | This information will print on a Residential customer bill.Must match the code provided in the Supplier Pricing Structure (REF\*PR).If the REF\*PL is not sent for a Residential UCB Customer Enrollment, UCB Price Change or Bill Option Change to UCB, the incident will be reported to PURA and the transaction will be rejected with: IC6 Incomplete Change-Next Cycle Rate Invalid or Missing IC7 Incomplete Change-Next Cycle Rate Does Not Match Billing Rate IE6 Incomplete Enrollment - Next Cycle Rate Invalid or Missing IE7 Incomplete Enrollment - Next Cycle Rate Does Not Match Billing Rate |
|  |  | REF\*PL\*0084900REF\*PL\*XXX 123 |

**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 |
|   | PL |  | Price List Number |
|  | Supplier Next Cycle 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 |
|  | Supplier Next Cycle Rate |

 **Segment: REF Reference Identification (Supplier Rate Code)**

 **Position:** 130

 **Loop:** NM1 Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify identifying information

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

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

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

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

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Required for Utility Consolidated Billing (UCB)Accept Response: Required if provided on the RequestReject Response: Optional if provided on the Request |
|  |  | REF\*RB\*XXXREF\*RB\*CUS |

**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 |
|   | RB |  | Rate code number |
|  | Supplier Rate Code |
| **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: Predefined Supplier Specific Rate Code or "CUS"United Illuminating: Predefined Supplier specific Rate Code |

 **Segment: REF Reference Identification (Supplier Rate Term)**

 **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:** |  | Request: Required for Residential Utility Consolidated Billing (UCB)Accept Response: Required if provided on the Request and the Utility Rate Class is Residential. Optional if provided on the Request and the Utility Rate Class is Commercial.Reject Response: Optional if provided on the RequestNote for accounts where the Class of Contract/IRA Indicator is "RES" and the Utility Rate Class is Commercial, the Utility will treat the customer as a Commercial customer and this information will not be printed on the customer's bill. |
|  |  | This information will print on a Residential customer bill. If the REF\*TC is not sent for a Residential UCB Customer Enrollment, UCB Price Change or Bill Option Change to UCB, the incident will be reported to PURA and the transaction will be rejected with: IC3 - Incomplete Change-Rate Term Invalid or Missing IE3 - Incomplete Enrollment - Rate Term Invalid or MissingIf, for a Residential UCB Price Change or Bill Option Change to UCB, the Rate Term + the Effective Date of the Change does not equal the Rate Expiration Date revenue month, the incident will be reported to PURA and the transaction will be rejected with: IC8 - Incomplete Change-Effective Month+Term not equal  to Rate Expiration DateIf, for a Residential UCB Enrollment, the Rate Term + the Effective Date of the Enrollment does not equal the Rate Expiration Date revenue month, the incident will be reported to PURA and the transaction will be accepted. The Utility will update the Rate Expiration Date with the accurate revenue month. The Utility may optionally send a Status Reason Code (REF\*1P): IE8 - Incomplete Enrollment-Effective Month+Term not equal to Rate Expiration Date |
|  |  | REF\*TC\*4REF\*TC\*12 |

**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 |
|   | TC |  | Vendor Terms |
|  | Supplier Rate Term |
| **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 |
|  | Length of the Supplier Rate, expressed in number of months (e.g., 4, 12, 24, 36) |

 **Segment: REF Reference Identification (Utility Rate Class)**

 **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:** |  | Request: Not UsedAccept Response: RequiredReject Response: Not Used |
|  |  | REF\*NH\*001REF\*NH\*M010001 |

**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 |
|   | NH |  | Rate Card Number |
|  | Utility Rate Class |
| **Must Use** | **REF02** | **127** | **Reference Identification** | **X** |  | **AN 1/30** |
|  | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |
|  | Utility Rate Class |

 **Segment: REF Reference Identification (Load Profile)**

 **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:** |  | Request: Not UsedEversource Accept Response: RequiredEversource Reject Response: Not UsedUnited Illuminating: Not Used |
|  |  | REF\*LO\*001 |

**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 |
|   | 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 |
|  | Load Profile |

 **Segment: DTM Date/Time Reference (Supplier Rate Expiration Date)**

 **Position:** 140

 **Loop:** NM1 Optional

 **Level:** Detail

 **Usage:** Optional

 **Max Use:** >1

 **Purpose:** To specify pertinent dates and times

 **Syntax Notes:** **1** At least one of DTM02 DTM03 or DTM05 is required.

 **2** If DTM04 is present, then DTM03 is required.

 **3** If either DTM05 or DTM06 is present, then the other is required.

 **Semantic Notes:**

 **Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Request: Required for Residential Utility Consolidated Billing (UCB)Accept Response: Required if provided on the Request and the Utility Rate Class is Residential. Optional if provided on the Request and the Utility Rate Class is Commercial.Reject Response: Optional if provided on the RequestNote for accounts where the Class of Contract/IRA Indicator is "RES" and the Utility Rate Class is Commercial, the Utility will treat the customer as a Commercial customer and this information will not be printed on the customer's bill. |
|  |  | This information will print on a Residential customer bill. If the DTM\*036 is not sent for a Residential UCB Customer Enrollment, UCB Price Change or Bill Option Change to UCB, the incident will be reported to PURA and the transaction will be rejected with: IC4 - Incomplete Change-Rate Expiration Date Invalid or Missing IE4 - Incomplete Enrollment - Rate Expiration Date Missing or InvalidIf, for a Residential UCB Price Change or Bill Option Change to UCB, the Rate Term + the Effective Date of the Change does not equal the Rate Expiration Date revenue month, the incident will be reported to PURA and the transaction will be rejected with: IC8 - Incomplete Change-Effective Month+Term not equal to Rate Expiration DateIf, for a Residential UCB Enrollment, the Rate Term + the Effective Date of the Enrollment does not equal the Rate Expiration Date revenue month, the incident will be reported to PURA and the transaction will be accepted. The Utility will update the Rate Expiration Date with the accurate revenue month. The Utility may optionally send a Status Reason Code (REF\*1P): IE8 - Incomplete Enrollment-Effective Month+Term not equal to Rate Expiration Date |
|  |  | DTM\*036\*\*\*\*CM\*202001 |

**Data Element Summary**

 **Ref. Data**

 **Des. Element Name Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **DTM01** | **374** | **Date/Time Qualifier** | **M** |  | **ID 3/3** |
|  | Code specifying type of date or time, or both date and time |
|   | 036 |  | Expiration |
|  | Supplier Rate Expiration Date |
| **Must Use** | **DTM05** | **1250** | **Date Time Period Format Qualifier** | **X** |  | **ID 2/3** |
|  | Code indicating the date format, time format, or date and time format |
|   | CM |  | Date in Format CCYYMM |
| **Must Use** | **DTM06** | **1251** | **Date Time Period** | **X** |  | **AN 1/35** |
|  | Expression of a date, a time, or range of dates, times or dates and times |
|  | Year and Month of Supplier Rate Expiration Date based on Utility Meter Read Schedule. This must be the revenue month; for example, if Bill Cycle 1 for December 2019 has a meter read date of November 30th, the field must be 201912 not 201911. |

 **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\*36\*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 Enrollment Request & Response for Commercial Customer on Utility Consolidated Billing (SA Level)**

|  |  |
| --- | --- |
| **Request** | **Accept Response** |
| ST\*814\*0001BGN\*13\*590011111133136494305900903123\*20211005N1\*8S\*CONNECTICUT LIGHT AND POWER\*1\*006917090N1\*SJ\* SUPPLIER \*1\*111111111N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*12\*51011188042REF\*11\*59001111113313REF\*BLT\*LDCREF\*CE\*BUSAMT\*DP\*0NM1\*MQ\*3REF\*MG\*581111002REF\*RB\*CUSREF\*PR\*0099100REF\*PRT\*ASE\*18\*0001 | ST\*814\*0001BGN\*11\*590011111133136494305900903123\*20211006N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT & POWER\*1\*006917090N1\*8R\*NAMEN3\*999 FARMINGTON AVEN4\*HARTFORD\*CT\*061053106\*USN1\*BT\*NVN3\*999 FARMINGTON AVEN4\*HARTFORD\*CT\*061053106LIN\*1\*SV\*EL\*SH\*CEASI\*WQ\*021REF\*12\*51011188042REF\*11\*59001111113313REF\*BLT\*LDCREF\*BF\*12REF\*1J\*11111REF\*SPL\*\*CONNECTICUTREF\*CE\*BUSREF\*NR\*NDTM\*007\*\*\*\*D8\*20211018AMT\*EN\*0AMT\*KC\*42.915NM1\*MQ\*3REF\*RB\*CUSREF\*PR\*0099100REF\*PRT\*DREF\*MG\*581111002REF\*NH\*030REF\*LO\*030SE\*31\*0001 |

**Example Eversource Enrollment Request & Response for Residential Customer on Utility Consolidated Billing (SA Level)**

|  |  |
| --- | --- |
| **Request** | **Accept Response** |
| ST\*814\*0001BGN\*13\*20211006000001\*20211006N1\*8S\*CONNECTICUT LIGHT AND POWER\*1\*006917090N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*12\*51111115057REF\*11\*1234567890REF\*BLT\*LDCREF\*CE\*RESAMT\*DP\*0AMT\*EN\*0NM1\*MQ\*3REF\*MG\*463111001REF\*RB\*CUSREF\*PR\*0082500\*NVREF\*PRT\*AREF\*TC\*30REF\*PL\*0082500DTM\*036\*\*\*\*CM\*202405SE\*22\*0001 | ST\*814\*0001BGN\*11\*20211006000001\*20211008N1\*SJ\*SUPPLIER\*1\*111111111N1\*8S\*CONNECTICUT LIGHT & POWER\*1\*006917090N1\*8R\*NAMEN3\*999 NILES HILL RD\*APT 4N4\*NEW LONDON\*CT\*063203057\*USN1\*BT\*NVN3\*999 NILES HILL RD\*APT 4N4\*NEW LONDON\*CT\*063203057\*USLIN\*1\*SV\*EL\*SH\*CEASI\*WQ\*021REF\*12\*51111115057REF\*11\*1234567890REF\*BLT\*LDCREF\*BF\*01REF\*1J\*37260REF\*SPL\*\*CONNECTICUTREF\*CE\*RESREF\*NR\*NDTM\*007\*\*\*\*D8\*20211029AMT\*DP\*1AMT\*EN\*0AMT\*KC\*1.359NM1\*MQ\*3REF\*RB\*CUSREF\*PR\*0082500\*NVREF\*TC\*30REF\*PL\*0082500REF\*PRT\*EREF\*MG\*463111001REF\*NH\*005REF\*LO\*005DTM\*036\*\*\*\*CM\*202405SE\*35\*0001 |

**Example United Illuminating Enrollment Request & Response for Commercial Customer on Utility Consolidated Billing**

|  |  |
| --- | --- |
| **Request** | **Accept Response** |
| ST\*814\*0001BGN\*13\*20200124123546789\*20200123N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTLIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*BLT\*LDCREF\*CE\*BUSNM1\*MQ\*3REF\*RB\*976REF\*PR\*ABC 976REF\*PRT\*ASE\*16\*0001 | ST\*814\*0001BGN\*11\*20200124123546789\*20200123N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTN3\*1111 MAIN STN4\*MILFORD\*CT\*06460\*USN1\*BT\*NVN3\*1111 MAIN STN4\*MILFORD\*CT\*06460\*USLIN\*01\*SV\*EL\*SH\*CEASI\*WQ\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*SPL\*\*CONNECTICUTREF\*NR\*NREF\*BLT\*LDCREF\*CE\*BUSREF\*BF\*08DTM\*007\*\*\*\*D8\*20200213AMT\*KC\*32.901NM1\*MQ\*3REF\*RB\*976REF\*NH\*M420112REF\*PR\*ABC 976SE\*26\*0001 |

**Example United Illuminating Enrollment Request & Reject Response for Commercial Customer on Dual Billing**

|  |  |
| --- | --- |
| **Request**  | **Response** |
| ST\*814\*0001BGN\*13\*20200103123546789\*20200103N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*NAMELIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*BLT\*DUALREF\*CE\*BUSNM1\*MQ\*3REF\*PRT\*ASE\*14\*0001 | ST\*814\*0001BGN\*11\*20200124123546789\*20200103N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\* NAMELIN\*01\*SV\*EL\*SH\*CEASI\*U\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*7G\*104REF\*CE\*BUSNM1\*MQ\*3SE\*13\*0001 |

**Example United Illuminating Enrollment Request & Response for Residential Customer on Utility Consolidated Billing**

|  |  |
| --- | --- |
| **Request** | **Accept Response** |
| ST\*814\*0001BGN\*13\*20200124123546789\*20200123N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTLIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*BLT\*LDCREF\*CE\*RESAMT\*EN\*0NM1\*MQ\*3REF\*RB\*151REF\*PR\*ABC 151\*NVREF\*TC\*24REF\*PL\*ABC 151DTM\*036\*\*\*\*CM\*202202SE\*19\*0001 | ST\*814\*0001BGN\*11\*20200124123546789\*20200123N1\*8S\*UNITED ILLUMINATING\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTN3\*1111 MAIN STN4\*MILFORD\*CT\*06460\*USN1\*BT\*NVN3\*1111 MAIN STN4\*MILFORD\*CT\*06460\*USLIN\*01\*SV\*EL\*SH\*CEASI\*WQ\*021REF\*12\*1540000001020REF\*11\*1111111111REF\*SPL\*\*CONNECTICUTREF\*NR\*NREF\*BLT\*LDCREF\*CE\*RESREF\*BF\*10DTM\*007\*\*\*\*D8\*20200218AMT\*KC\*1.142AMT\*EN\*0NM1\*MQ\*3REF\*RB\*151REF\*NH\*M010001REF\*PR\*ABC 151\*NVREF\*TC\*24REF\*PL\*ABC 151DTM\*036\*\*\*\*CM\*202202SE\*30\*0001 |

**Example United Illuminating Enrollment Request & Reject Response for Residential Customer on Utility Consolidated Billing**

|  |  |
| --- | --- |
| **Request** | **Reject Response** |
| ST\*814\*0001BGN\*13\*3361732D20200124023704\*20200124N1\*8S\*UNITED ILLUMINATING COMPANY\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTLIN\*1\*SH\*EL\*SH\*CEASI\*7\*021REF\*11\*1111111111REF\*12\*1540000001020REF\*BLT\*LDCREF\*CE\*RESAMT\*EN\*50NM1\*MQ\*3REF\*RB\*151REF\*PR\*ABC 151\*NVREF\*TC\*12REF\*PL\*ABC 151DTM\*036\*\*\*\*CM\*202102SE\*19\*0001 | ST\*814\*0001BGN\*11\*3361732D20200124023704\*20200124N1\*8S\*UNITED ILLUMINATING COMPANY\*1\*006917967N1\*SJ\*SUPPLIER\*1\*111111111N1\*8R\*CUSTLIN\*01\*SV\*EL\*SH\*CEASI\*U\*021REF\*11\*1111111111REF\*7G\*164REF\*12\*1540000001020REF\*CE\*RESAMT\*EN\*50NM1\*MQ\*3REF\*PR\*ABC 151\*NVREF\*TC\*12REF\*PL\*ABC 151DTM\*036\*\*\*\*CM\*202102SE\*18\*0001 |