**Texas**

**Standard**

**Electronic**

**Transaction**

**814\_22:**

##### CSA CR Move In Request

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 814

**Texas 814\_22:**

CSA CR Move In Request

This transaction set, from ERCOT to CSA CR, is used to start CSA service of the ESI ID.

Document Flow:

* ERCOT to CSA CR

The Functional Acknowledgement (997) transaction set from the receiver of the originating transaction to the sender of the originating transaction, is used to acknowledge the receipt of the originating transaction and indicate whether the transaction passed ANSI X12 validation. This acknowledgement does not imply that the originating transaction passed Texas SET validation. “CR, TDSP, or ERCOT shall respond with a 997 within 24 hours of receipt of an inbound transaction.”

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| July 3, 2000  Version 1.0 |  | Initial Release |
| August 23, 2000  Version 1.1 |  | The following changes were made: |
|  |  | * Changed Life Support (REF~SU) to remove “Required” and add the following note, “We are not sure of the requirements of this information at this time. When the rules are finalized we will revisit whether the life support indicator will be sent.” |
|  |  | * Corrected Scenarios |
| December 12, 2000  Version 1.2 |  | The following changes were made: |
|  |  | * Change the term Utility to Transmission Distribution Service Provider (TDSP) to match ERCOT Protocols. |
|  |  | * Change the term Retail Electric Provider (REP) to Competitive Retailer (CR) to match ERCOT Protocols. |
|  |  | * Change description page transaction purpose to read the same as ERCOT Protocols. |
|  |  | * Insert the “How to use this Implementation Guide” page. |
|  |  | * Remove “.” between X and 12 in all references to ANSI ASC X12. |
|  |  | * Add BGN08 Element to indicate the TX SET Transaction Number per Change Control #2000-015. |
|  |  | * Add examples to end of transaction. |
|  |  | * Add Time of Use code 71-- Summer Super On-Peak to REF04 of REF~4P and REF~IX Segments in the NM1 loop per Change Control #2000-18. |
| March 9, 2001  Version 1.3 |  | The following changes were made: |
|  |  | * Removed Scenario Names from Transaction Description page |
|  |  | * Corrected the How to Use this Implementation Guide page |
|  |  | * Changed RA/Clearinghouse to ERCOT |
|  |  | * Corrected BGN06 to “Must Use” |
|  |  | * Removed second gray box example on N1~AY (ERCOT) |
|  |  | * Added decimal gray box example to REF~4P Meter Multiplier |
| August 3, 2001  Version 1.4 |  | The following changes were made: |
|  |  | * Added REF~PRT Unmetered Service Type. Ref. 2001-041 & 2001-129 |
|  |  | * Added REF~SPL Unmetered Service Type. Ref. 2001-041 & 2001-129 |
|  |  | * Added REF~AQ Unmetered Service Type. Ref. 2001-041 & 2001-129 |
|  |  | * Modify gray box in REF~4P. Ref. 2001-118 |
|  |  | * Modify gray box in REF~LO. Ref. 2001-116 |
|  |  | * Modify examples to show real load profiles and station id’s. Ref. 2001-116 |
|  |  | * Modify gray box on REF01 of REF~LO. Ref. 2001-116 |
|  |  | * Modified example in REF~IX. Changed from K1MON to KHMON |
|  |  | * Fixed example in gray box of REF~MT from “REF~IX~6.0~TU^51” to “REF~IX~6.0~KHMON~TU^51” |
| April 1, 2002  Version 1.5 |  | The following changes were made: |
|  |  | * Add REF~PMT for premise type code Ref. 2001-161 |
|  |  | * Change the language in the REF~PRT gray box Unmetered Ref. 2001-215 |
|  |  | * Change the language in definitions for the values of Premise Type Code Ref. 2001-236 |
|  |  | * Change the gray box for REF Meter Read cycle / date Ref. 2002-284 |
|  |  | * Change Response to Required for REF~SPL and REF~AQ. Ref. 2002-289 |
| May 27th, 2003  Version 1.6 |  | The following changes were made: |
| 5/27/03 |  | * Change Control 2002-386 – Removed D-U-N-S+4 from the N104 gray box in the N1~AY loop |
| July 21st, 2003  Version 2.0 |  | The following changes were made: |
| 8/15/03 |  | * Change Control 2003-547 – Please include the Move-In/Move-Out Task Force (MIMO) High Level Requirement Specification as part of the Baseline for Version 2.0. |
| October 8, 2004  Version 2.0A |  | Change Control 2004-634:   * As per discussions at the June 04 TX SET meeting, additional language should be added to each Transaction Set to identify the requirements and required response to the 997 Functional acknowledgement – The Functional Acknowledgement (997) transaction set from the receiver of the originating transaction to the sender of the originating transaction, is used to acknowledge the receipt of the originating transaction and indicate whether the transaction passed ANSI X12 validation. This acknowledgement does not imply that the originating transaction passed Texas SET validation. “CR, TDSP, or ERCOT shall respond with a 997 within 24 hours of receipt of an inbound transaction.” |
| March 1, 2005  Version 2.1 |  | Change Control 2003-490:   * Remove QTR from valid values of Meter Type   Change Control 2003-569:   * Provide gray box clarification to the LIN segment to indicate that the Texas Market supports only 1 LIN loop per EDI Transaction.   Change Control 2005-683:   * Add clarity to the transaction notes section regarding the Texas Market use of characters in alphanumeric fields |
| September 1, 2006  Version 3.0 |  | Change Control 2004-678:   * Update the Example on the 814\_22 Implementation Guide to remove the unmetered REF~PRT segment (Unmetered Service Type) since there is already a metered segment in the same NM1 loop. Both Metered and Unmetered Services cannot be sent in the same NM1 Loop. |
| November 30, 2010  Version 3.0A |  | Change Control 2009-729:   * Remove all examples from the TX SET Implementation guides and post them into a separate document for quicker correction and addition of new examples without a TX SET release |
| June 11, 2012  Version 4.0 |  | Change Control 2010-747:   * In order to provide REPs information on whether an ESI ID has a provisioned Advanced Meter installed at the premise, a new REF segment will be added to the 814\_04, 814\_05, 814\_14, 814\_22 and 814\_20.   Change Control 2010-748:   * The purpose of this Change Control is to sync the names of the Texas SET Guide transactions, with the names of the transactions in Protocol and the Retail Market Guide.   Change Control 2010-760:   * Add a new code in the ESIID attributes to specify LED bulb types for Unmetered Service type.   Change Control 2010-761:   * Add to the existing REF02 of the REF~PRT segment the "WF" code to represent Wi-Fi (Wireless Fidelity).   Change Control 2010-781:   * The Critical Care Change Controls have been consolidated into this new Change Control. This Change Control replaces 2010-738, 2010-757, 2010-764, 2010-765, 2010-767, 2011-773, and 2011-774.   Change Control 2011-788:   * Clarify in the gray box of the REF~MR that only one REF~MR segment will be sent for each transaction.   Change Control 2011-789:   * Critical Care secondary contact information to be updated to be called Emergency Contact Information. * Remove requirement for TDSPs to send Emergency Contact Information in the transaction and allow the TDSP rule to drive if the contact information is required.   Change Control 2011-795:   * Change Control 2011-781 left off the NM102 and NM109 segments from the new NM1~SC. These are both required for ANSI. |
| November 2, 2020  Version 4.0A |  | Change Control 2020-811:   * Administrative updates to the TX SET Guides in order to reflect actual transaction processing. Changes included limiting number of REF segments, clarification for punctuation and clarification of ESI ID format.   Change Control 2020-820   * Recipients of the Select Language Characters (Special Characters) found in the Extended Character Set of the Application Control Structure can be rejected with a 997 Reject.   Change Control 2020-824   * Update to the TX SET Guides for the N2 and N3 to only allow one per loop |
| November 11, 2024  Version 5.0 |  | Change Control 2021–831   * Add new REF~MSL segment to communicate the Meter Service Type   Change Control 2021–836   * Add clarification to all name fields that the use of a comma is only valid when associated with a customer name. Name fields with only a comma or other one character punctuation will be rejected. |

**How to Use this Implementation Guide**

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

**Segment: REF Reference Identification (ESI ID)**

**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:**

This section is used to show the Texas Rules for implementation of this segment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPQRS |

**Data Element Summary**

One or more examples.

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | Q5 |  | Property Control Number | | | | |
|  | | | | | | Electric Service Identifier (ESI ID) | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | ESI ID | | | | | | | |

This column shows the Texas use of each data element.

This column shows the X12 attributes for each data element.

M = Mandatory

O = Optional

X = Relational

C = Conditional

AN = Alphanumeric

N# = Implied Decimal at position #

ID = Identification

R = Real

1/30 = Minimum 1, Maximum 30

These are X12 code descriptions, which often do not relate to the Texas descriptions.

X12 cannot keep up with Texas needs, thus, Texas often changes the meaning of existing codes. See the corresponding graybox for the Texas definitions.

**814 General Request, Response or Confirmation**

ANSI ASC X12 Structure

**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 |  |  |  |  |  |  |  |  |
|  | 040 | DTM | Date/Time Reference | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  | n2 |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  | 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.

For use on an alphanumeric field, Texas SET recognizes all characters within the Basic Character Set. Within the Extended Character Set, Texas SET recognizes all character sets except all Select Language Characters found in Section 3.3.2 item (4) of X12 Application Control Structure. Exceptions to ANSI Standards for alphanumeric fields are noted in gray boxes of this Implementation Guide.

Receipt of the Select Language Characters found in Section 3.3.2 item (4) of the Application Control Structure may be rejected with a 997 Reject transaction by recipient.

For reference, the Select Language Characters found in Section 3.3.2 item (4) of the ANSI Standards are:

À|Á|Â|Ä|à|á|â|ä|È|É|Ê|è|é|ê|ë|Ì|Í|Î|ì|í|î|ï|Ò|Ó|Ô|Ö|ò|ó|ô|ö|Ù|Ú|Û|Ü|ù|ú|û|ü|Ç|ç|Ñ|ñ|¿|¡

**Segment: ST Transaction Set Header**

**Position:** 010

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

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

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | ST~814~000000001 |

**Data Element Summary**

**Ref. Data**

**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 | | | | | | |

**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~13~200104021200719~20010402~~~200104011956531~~22 |

**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 | | | | | | | |
|  | | | | 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.  Transaction Reference numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded. | | | | | | | |
| **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. | | | | | | | |
| **Must Use** | **BGN06** | **127** | **Reference Identification** | | | | **O** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Refers to the BGN02 of the Move Out Request (814\_24). This number will be tracked in the BGN06 through the lifecycle of the Move Out Process. | | | | | | | |
| **Must Use** | **BGN08** | **306** | **Action Code** | | | | **O** |  | **ID 1/2** | | |
|  | | | Code indicating type of action | | | | | | | |
|  | | | This segment is used to initially identify the type of 814 that is being sent or received. Ignore the ANSI X12 definition of the code. | | | | | | | |
|  | | | | 22 |  | Dissolve | | | | |
|  | | | | | | Indicates Texas SET Transaction 814\_22 | | | |

**Segment: N1 Name (Transmission Distribution Service Provider)**

**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~TDSP COMPANY~1~007909411 |

**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) | | | | |
|  | | | | | | Transmission Distribution Service Provider (TDSP) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | TDSP Name | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | TDSP D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | |

**Segment: N1 Name (ERCOT)**

**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~AY~ERCOT~1~183529049~~41 (ERCOT to CSA CR) |

**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 | | | | | | | |
|  | | | | AY |  | Clearinghouse | | | | |
|  | | | | | | ERCOT | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | ERCOT 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 | | | | | | | |
|  | | | ERCOT D-U-N-S Number | | | | | | | |
| **Must Use** | **N106** | **98** | **Entity Identifier Code** | | | | **O** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | 41 |  | Submitter | | | | |

**Segment: N1 Name (Competitive Retailer)**

**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~CSA CR NAME~1~007909422~~40 |

**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 | | | | |
|  | | | | | | Continuous Service Agreement (CSA) Competitive Retailer (CR) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | CSA CR Name | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | CSA CR D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | |
| **Must Use** | **N106** | **98** | **Entity Identifier Code** | | | | **O** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | 40 |  | Receiver | | | | |

**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 1 LIN Loop per EDI transaction is accepted in the Texas Market |
|  |  | LIN~1~SH~EL~SH~CE~SH~MVI (Move In for CSA CR) |

**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 | | | | | | | |
| **Must Use** | **LIN02** | **235** | **Product/Service ID Qualifier** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | | |
|  | | | | SH |  | Service Requested | | | | |
| **Must Use** | **LIN03** | **234** | **Product/Service ID** | | | | **M** |  | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | | |
|  | | | Commodity | | | | | | | |
|  | | | | 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 |  | Energy Services | | | | |
| **Must Use** | **LIN06** | **235** | **Product/Service ID Qualifier** | | | | **X** |  | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | | |
|  | | | | SH |  | Service Requested | | | | |
| **Must Use** | **LIN07** | **234** | **Product/Service ID** | | | | **X** |  | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | | |
|  | | | | MVI |  | Move In | | | | |
|  | | | | | | Request for a customer enrollment when a new customer moves into a premise. In this case the CSA is "moving in" to the premise. | | | |

**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:** |  | Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment. |
|  |  | 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 | | | |
| **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 (Distribution Loss Factor 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:** |  | The Distribution Loss Factor Code is used to identify the related loss factor value that is used in settlement. The code must be the contained in a loss factor table that the TDSP has provided to ERCOT. It is usually related to the delivery voltage or rate class. It is not the same as the transformer loss factor used when the TDSP meters service at a different point than it delivers service. |
|  |  | Required  Only one REF~AQ will be sent per transaction. |
|  |  | REF~AQ~T |

**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 | | | | | | | |
|  | | | | AQ |  | Access Code | | | | |
|  | | | | | | Distribution Loss Factor 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 | | | | | | | |
|  | | | With the exception of code "T", each Distribution Company will post what each of the next 5 codes represent and how they are applied. | | | | | | | |
|  | | | | A |  |  | | | | |
|  | | | | B |  |  | | | | |
|  | | | | C |  |  | | | | |
|  | | | | D |  |  | | | | |
|  | | | | E |  |  | | | | |
|  | | | | T |  | Transmission Only | | | | |

**Segment: REF Reference Identification (AMS 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:** |  | Required when meter is a provisioned AMS meter at ERCOT.  The AMS Indicator is used to identify a meter that has a Load Profile of AMS and is provisioned at ERCOT. Only one REF~MR segment will be sent per transaction.  Only one REF~MR will be sent per transaction. |
|  |  | REF~MR~AMSM |

**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 | | | | | | | |
|  | | | | MR |  | Merchandise Type Code | | | | |
|  | | | | | | Indication that an AMS meter has been installed and provisioned at the premise for this ESI ID | | | |
| **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 | | | | | | | |
|  | | | | AMSM |  | AMS Manual | | | | |
|  | | | | | | ESI ID has provisioned AMS meter without remote connect and disconnect capability | | | |
|  | | | | AMSR |  | AMS Remote | | | | |
|  | | | | | | ESI ID has provisioned AMS meter with remote connect and disconnect capability | | | |

**Segment: REF Reference Identification (Premise Type)**

**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  Only one REF~PTC will be sent per transaction. |
|  |  | REF~PTC~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 | | | | | | | |
|  | | | | PTC |  | Patent Type | | | | |
|  | | | | | | Premise Type | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | | 01 |  | Residential | | | | |
|  | | | | | | Designates a premise where a customer will reside or an unmetered service located at such a premise (e.g. Outdoor Lights) provided it is not a master metered, multi-family facility, or a facility metered as a commercial facility. | | | |
|  | | | | 02 |  | Small Non-residential | | | | |
|  | | | | | | Designates a nonresidential premise with peak demand of 1 Megawatt or below (i.e. Where the demand for the previous 12 months is less than or equal to 1 megawatt) or an unmetered service located at such a premise. | | | |
|  | | | | 03 |  | Large Non-residential | | | | |
|  | | | | | | Designates a nonresidential premise with peak demand greater than 1 Megawatt (i.e. Where demand for at least 1 month of the previous 12 months is greater than 1 Megawatt) or an unmetered service located at such a premise. | | | |

**Segment: REF Reference Identification (ESI ID)**

**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  Only one REF~Q5 will be sent per transaction. |
|  |  | REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPQRS |

**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 | | | | | | | |
|  | | | | Q5 |  | Property Control Number | | | | |
|  | | | | | | Electric Service Identifier (ESI ID) | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | ESI ID  ESI ID will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) and special characters must be excluded. ESI ID length must be at least 8 and no more than 36 characters. | | | | | | | |

**Segment: REF Reference Identification (Station ID)**

**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:** |  | The value shall correspond to an ERCOT-defined Station ID that is published on the ERCOT website. |
|  |  | Required  Only one REF~SPL will be sent per transaction. |
|  |  | REF~SPL~~WEST |

**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) | | | | |
|  | | | | | | Substation at which the TDSP's distribution system is connected to the transmission grid for the Service Delivery Point (SDP). The value shall correspond to an ERCOT-defined Station ID that is published on the ERCOT website. | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Station ID | | | | | | | |

**Segment: REF Reference Identification (Special Needs 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:** |  | Required  A "Y" in this field means that the customer is either:  A residential customer who qualifies through the Residential Critical Care Eligibility Determination Form, as issued by the PUCT.  Or  A customer for which electric service is considered crucial for the protection and maintenance of public safety pursuant to Subst. Rules 25.52 and 25.53.  Or  An industrial customer for whom an interruption or suspension of service will create a dangerous or life threatening condition at the customers premise.  Only one REF~SU will be sent per transaction. |
|  |  | REF~SU~N  REF~SU~Y~CLI |

**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 | | | | | | | |
|  | | | | SU |  | Special Processing Code | | | | |
|  | | | | | | Special Needs Indicator | | | |
| **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 | | | | |
|  | | | | | | Special Needs are not required | | | |
|  | | | | Y |  | Yes | | | | |
|  | | | | | | Special Needs are required | | | |
| **Dep** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Required when REF02 = Y indicating Special Needs are required  Used to communicate the Customer's Special Needs Status as defined by PUCT Subst. Rule 25.497 "Customer Protection Rules Relating to Designation of Critical Care Customers", otherwise not used. | | | | | | | |
|  | | | | CCC |  | Critical Care Residential Customer | | | | |
|  | | | | CCCT |  | Critical Care Residential Customer - Temporary | | | | |
|  | | | | | | This temporary status is required when the TDSP deems the information received in the form is incomplete. This temporary assignment will be applicable for 14 days and noted in the DTM Expiration Date segment. | | | |
|  | | | | CLI |  | Critical Load Industrial Customer | | | | |
|  | | | | CLP |  | Critical Load Public Safety Customer | | | | |
|  | | | | CRC |  | Chronic Condition Residential Customer | | | | |
|  | | | | CRCT |  | Chronic Condition Residential Customer - Temporary | | | | |
|  | | | | | | This temporary status is required when the TDSP deems the information received in the form is incomplete. This temporary assignment will be applicable for 14 days and noted in the DTM Expiration Date segment. | | | |

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

**Position:** 040

**Loop:** LIN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required REF~SU = Y and Critical Care Status in the REF03 of the Special Needs (REF~SU) segment = "CCC". "CCCT", "CRC" or "CRCT"  Only one DTM~036 will be sent per transaction. |
|  |  | DTM~036~20010415 |

**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 | | | |
|  | | | | | | Date coverage expires | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

**Segment: DTM Date/Time Reference (Service Period Start)**

**Position:** 040

**Loop:** LIN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required  Only one DTM~150 will be sent per transaction. |
|  |  | DTM~150~20010415 |

**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 | | | | | | |
|  | | | | 150 |  | Service Period Start | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

**Segment: NM1 Individual or Organizational Name (Meter Level Information)**

**Position:** 080

**Loop:** NM1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

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

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

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

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

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | NM1~MQ~3~~~~~~32~GE10349811  NM1~MQ~3~~~~~~93~UNMETERED |

**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 | | | | |
| **Must Use** | **NM108** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 32 |  | Assigned by Property Operator | | | | |
|  | | | | | | Meter Number | | | |
|  | | | | 93 |  | Code assigned by the organization originating the transaction set | | | | |
|  | | | | | | This code used when a Meter Number is NOT provided in NM109 (i.e., when NM109 contains "UNMETERED"). | | | |
| **Must Use** | **NM109** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | Meter Number or,  UNMETERED - for Unmetered Services  Meter numbers will only contain uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the meter number must be present. | | | | | | | |

**Segment: REF Reference Identification (Meter Multiplier)**

**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:** |  | There will be one REF~4P segment for each Meter Type, creating the potential for more than one REF~4P segment per NM1 Loop.  For instance, if the meter has multiple meter types, and therefore the REF~MT segment is REF~MT~COMBO, there will be multiple REF~4P segments, one to indicate the meter multiplier for each type. For example,  NM1~MQ~3~~~~~~32~1234568MG  REF~MT~COMBO  REF~4P~1200~K1015~TU^41  REF~4P~1~KH015~TU^41  Note: Format of the multiplier could be in the form of a fraction (e.g. 48.78432)  Also note that since the Meter Multiplier is required for each Time of Use, this segment is also used to determine which Time of Use will be sent on the 867 transaction. |
|  |  | Required for each meter type for each meter that is used for billing purposes. This segment will not be provided in the NM1 loop for UNMETERED services. |
|  |  | REF~4P~10~KHMON~TU^41  REF~4P~1~K1MON~TU^41  REF~4P~1.5~K1MON~TU^41 |

**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 | | | | | | | |
|  | | | | 4P |  | Affiliation Number | | | | |
|  | | | | | | Meter Multiplier  (Ending Reading - Beginning Reading) \* Meter Multiplier = Billed Usage | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Meter Multiplier | | | | | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Meter Type (see REF~MT for valid codes). "COMBO" is not a valid code for this element. | | | | | | | |
| **Must Use** | **REF04** | **C040** | **Reference Identifier** | | | | **O** |  |  | | |
|  | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | | | | | | |
|  | | | Note this is a composite data element. Populate C04001 & C04002. | | | | | | | |
| **Must Use** | **C04001** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | TU |  | Trial Location Code | | | | |
|  | | | | | | Time of Use | | | |
| **Must Use** | **C04002** | **127** | **Reference Identification** | | | | **M** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | | 41 |  | Off Peak | | | | |
|  | | | | 42 |  | On Peak | | | | |
|  | | | | 43 |  | Intermediate Peak | | | | |
|  | | | | 51 |  | Totalizer | | | | |
|  | | | | | | Totalizer/Total/Max (Demand) | | | |
|  | | | | 71 |  | Summer Super On Peak | | | | |

**Segment: REF Reference Identification (Metered Service Type)**

**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:** |  | This segment is used to provide additional information to the Competitive Retailer to describe the Service Type that is being Metered for this ESI ID.  Only one REF~MSL segment that includes Only one REF02 (M01-M44) Code shall be sent in one 814\_22 transaction. The one REF02 (M01-M44) Code shall represent the primary type of service that is being metered for the Service Address. |
|  |  | Accept Response: Optional  Reject Response: Not Used |
|  |  | REF~MSL~M01  REF~MSL~M44~FIREWORKS STAND |

**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 | | | | | | | |
|  | | | | MSL |  | Mail Slot | | | | |
|  | | | | | | Metered Service Type List | | | |
| **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 | | | | | | | |
|  | | | If a new code is needed, it must be requested via the Change Control process. | | | | | | | |
|  | | | | M01 |  | House | | | | |
|  | | | | M02 |  | Apartment | | | | |
|  | | | | M03 |  | Condominium or Townhouse or Penthouse | | | | |
|  | | | | M04 |  | Cabana or Clubhouse | | | | |
|  | | | | M05 |  | Garage or Garage Apartment | | | | |
|  | | | | M06 |  | Modular Home | | | | |
|  | | | | M07 |  | Mobile Home Inside or Outside Trailer Park | | | | |
|  | | | | M08 |  | Residential Outbuilding | | | | |
|  | | | | M09 |  | RV Park or RV Park Facilities | | | | |
|  | | | | M10 |  | Duplex or Quadplex | | | | |
|  | | | | M11 |  | Government Emergency Housing (FEMA) | | | | |
|  | | | | M12 |  | Temporary Service Pole Used for Construction | | | | |
|  | | | | M13 |  | Office or Retail Space | | | | |
|  | | | | M14 |  | Fitness Center | | | | |
|  | | | | M15 |  | Building Services, Laundry or Maintenance Building | | | | |
|  | | | | M16 |  | Pool Facilities | | | | |
|  | | | | M17 |  | Cable TV Service (CATV) | | | | |
|  | | | | M18 |  | Cellular Sites on TDSP Property | | | | |
|  | | | | M19 |  | Cellular Sites on City or Municipal Property | | | | |
|  | | | | M20 |  | Traffic Signal | | | | |
|  | | | | M21 |  | Sign Board or Billboard | | | | |
|  | | | | M22 |  | Park Facilities | | | | |
|  | | | | M23 |  | Electric Gate | | | | |
|  | | | | M24 |  | Lift Station, Septic Tank or Septic System | | | | |
|  | | | | M25 |  | Water Well | | | | |
|  | | | | M26 |  | Irrigation System | | | | |
|  | | | | M27 |  | Pump or Pumping Station | | | | |
|  | | | | M28 |  | Elevator | | | | |
|  | | | | M29 |  | Main Distribution Panel (MDP) | | | | |
|  | | | | M30 |  | Barn, Farm or Ranch Facilities | | | | |
|  | | | | M31 |  | Outdoor Lighting | | | | |
|  | | | | M32 |  | Parking Facilities | | | | |
|  | | | | M33 |  | Storage Facilities | | | | |
|  | | | | M34 |  | Workshop | | | | |
|  | | | | M35 |  | School and/or Sports Facilities | | | | |
|  | | | | M36 |  | Church Facilities | | | | |
|  | | | | M37 |  | First Responder Facilities (i.e. Fire, Police, EMS) | | | | |
|  | | | | M38 |  | Municipal Facilities | | | | |
|  | | | | M39 |  | Electric Vehicle Charging Station (Level 2) | | | | |
|  | | | | M40 |  | Electric Vehicle Super Charging Station (Level 3) | | | | |
|  | | | | M41 |  | Battery Storage Unit | | | | |
|  | | | | M42 |  | Non-Wholesale Storage Load (NWSL) | | | | |
|  | | | | M43 |  | Wholesale Storage Load (WSL) | | | | |
|  | | | | M44 |  | Other (Requires REF03 Description) | | | | |
| **Dep** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Required when REF02 = M44 (Other) to provide Competitive Retailer with specific Metered Service Type when the specific type is not included in the above list. | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |

**Segment: REF Reference Identification (Number of Dials)**

**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:** |  | There will be one REF~IX segment for each applicable Meter Type, creating the potential for more than one REF~IX segment per NM1 Loop.  For instance, if the meter has multiple types, and therefore the REF~MT segment is REF~MT~COMBO, there may be multiple REF~IX segments, one to indicate the number of dials for each type that has dials. For example,  NM1~MQ~3~~~~~~32~1234568MG  REF~MT~COMBO  REF~IX~6.0~KHMON~TU^51  REF~IX~5.1~KHMON~TU^51 |
|  |  | Required for each meter type for each meter that is used for billing purposes that has dials. This segment will not be provided in the NM1 loop for UNMETERED services or for demand. |
|  |  | REF~IX~6.0~KHMON~TU^51 |

**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 | | | | | | | |
|  | | | | IX |  | Item Number | | | | |
|  | | | | | | Number of Dials on the Meter displayed as X.Y. The notation X.Y means that the meter has X dials to the left of the decimal point, and Y dials to the right. | | | |
| **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 | | | | | | | |
|  | | | Number of Dials | | | | | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Meter Type (see REF~MT for valid codes). "COMBO" is not a valid code for this element. | | | | | | | |
| **Must Use** | **REF04** | **C040** | **Reference Identifier** | | | | **O** |  |  | | |
|  | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | | | | | | |
|  | | | Note that this is a composite data element. Populate C04001 and C04002. | | | | | | | |
| **Must Use** | **C04001** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | TU |  | Trial Location Code | | | | |
|  | | | | | | Time of Use | | | |
| **Must Use** | **C04002** | **127** | **Reference Identification** | | | | **M** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | | 41 |  | Off Peak | | | | |
|  | | | | 42 |  | On Peak | | | | |
|  | | | | 43 |  | Intermediate Peak | | | | |
|  | | | | 51 |  | Totalizer | | | | |
|  | | | | | | Totalizer/Total/Max (Demand) | | | |
|  | | | | 71 |  | Summer Super On Peak | | | | |

**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:** |  | The load profile is made up of the following codes, with mandatory underscores between each: Profile Group and Segment Code, Weather Zone Code, Meter Data Type Code, Weather Sensitivity Code, TOU Schedule Code  Required  There will be only one REF~LO segment for each NM1 loop. |
|  |  | REF~LO~RESLOWR\_WEST\_NIDR\_NWS\_NOTOU |

**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: REF Reference Identification (Meter Type)**

**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:** |  | There will only be one REF~MT segment for each NM1 loop.  If there are multiple meter types on this meter, only one REF~MT will be sent. It will contain the code COMBO. The specific meter types will be identified in REF03 for the attribute segments contained within this loop. For example, REF~IX~6.0~KHMON~TU^51. |
|  |  | Required for each meter that is used for billing purposes. This segment will not be provided in the NM1 loop for UNMETERED services. |
|  |  | REF~MT~KHMON  REF~MT~COMBO |

**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 | | | | | | | |
|  | | | | MT |  | Meter Ticket Number | | | | |
|  | | | | | | Meter Type | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval reported for billing purposes. "COMBO" is used for a meter that records more than one measurement. Valid values can be a combination of the following values:  Type of Consumption  K1 Kilowatt Demand (kW)  K2 Kilovolt Amperes Reactive Demand (kVAR)  K3 Kilovolt Amperes Reactive Hour (kVARH)  K4 Kilovolt Amperes (kVA)  KH Kilowatt Hour (kWh)  Metering Interval Reported for Billing Purposes  nnn Number of minutes from 001 to 999  DAY Daily  MON Monthly  For Example:  KHMON Kilowatt Hours Per Month  K1015 Kilowatt Demand per 15 minute interval  Other Valid Codes  COMBO This code is used to indicate that the meter has multiple  measurements, e.g., one meter that measures both kWh  and Demand. | | | | | | | |

**Segment: REF Reference Identification (TDSP 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:** |  | Required for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available. |
|  |  | REF~NH~RS1 |

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

**Segment: REF Reference Identification (TDSP Rate Subclass)**

**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:** |  | Required if maintained by TDSP, must be sent for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available. |
|  |  | REF~PR~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 | | | | | | | |
|  | | | | PR |  | Price Quote Number | | | | |
|  | | | | | | TDSP Rate Subclass - Used to provide further classification of a rate. | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | TDSP Rate Subclass | | | | | | | |

**Segment: REF Reference Identification (Unmetered Service Type)**

**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:** |  | There will be one REF~PRT segment for each applicable Unmetered Service Meter Type, creating the potential for more than one REF~PRT segment per NM1 Loop.  This segment is used to provide additional information to the CR for the specified Unmetered Service. It describes the type of device which this measurement loop references and can include additional text information which may be useful to the CR (i.e., a specific wattage of a light, additional text information for further clarification, etc.) |
|  |  | Required for each unmetered service type used for billing purposes. |
|  |  | REF~PRT~MV~750~QQ^100  REF~PRT~SD~400 Company Owned~QQ^20  REF~PRT~MV~400 Customer Owned~QQ^15  REF~PRT~MV~Third party maintained facilities~QQ^100 |

**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 | | | | |
|  | | | | | | Defined Unmetered Service Type | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | If a new code is needed, it must be requested via the Change Control process. | | | | | | | |
|  | | | | AN |  | Antenna | | | | |
|  | | | | AR |  | Argon | | | | |
|  | | | | BB |  | Bill Boards | | | | |
|  | | | | BS |  | Bus Shelters | | | | |
|  | | | | CU |  | Cat Unit | | | | |
|  | | | | ED |  | Electronic Device | | | | |
|  | | | | FL |  | Fluorescent | | | | |
|  | | | | HA |  | Historical/Antique | | | | |
|  | | | | IN |  | Incandescent | | | | |
|  | | | | LE |  | Light Emitting Diode | | | | |
|  | | | | LV |  | Levys | | | | |
|  | | | | MH |  | Metal Halide | | | | |
|  | | | | MV |  | Mercury Vapor | | | | |
|  | | | | OT |  | Other Unmetered | | | | |
|  | | | | PA |  | Power Analog node | | | | |
|  | | | | PB |  | Phone Booth | | | | |
|  | | | | PO |  | Phone Outlet | | | | |
|  | | | | PS |  | Pump Station | | | | |
|  | | | | RR |  | Rail Road Crossings | | | | |
|  | | | | SD |  | Sodium | | | | |
|  | | | | TL |  | Traffic Lights | | | | |
|  | | | | TR |  | Transceiver | | | | |
|  | | | | WF |  | Wi-Fi (Wireless Fidelity) | | | | |
|  | | | | WM |  | Wallpacked Mercury Vapor | | | | |
|  | | | | WS |  | Warning Sirens | | | | |
| **Dep** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Used to provide additional clarification information to the CR for the Unmetered Service when necessary. When applicable, used to provide the specific wattage/lumens for a light.  This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |
| **Must Use** | **REF04** | **C040** | **Reference Identifier** | | | | **O** |  |  | | |
|  | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | | | | | | |
|  | | | Note that this is a composite data element. Populate C04001 and C04002. | | | | | | | |
| **Must Use** | **C04001** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | QQ |  | Unit Number | | | | |
|  | | | | | | Number of devices | | | |
| **Must Use** | **C04002** | **127** | **Reference Identification** | | | | **M** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Number of unmetered devices of this type. | | | | | | | |

**Segment: REF Reference Identification (Meter Reading Cycle)**

**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:** |  | Meter cycles will be provided on the TDSP's website. |
|  |  | Required when the Meter Read is done by cycle. Required for un-metered services.  One of either the REF~TZ or DTM~313 is required for metered services but not both. |
|  |  | REF~TZ~15  REF~TZ~04 |

**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 | | | | | | | |
|  | | | | TZ |  | Total Cycle Number | | | | |
|  | | | | | | Cycle number when the meter will be read. | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Metered: Meter Reading Cycle  Unmetered: Billing Cycle  Must always be numeric and only two digits. | | | | | | | |

**Segment: DTM Date/Time Reference (Meter Cycle by Day of the Month)**

**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:** |  | Required on metered services if meter read based on a day of the month. Not used for un-metered services.  One of the either the REF~TZ or the DTM~313 is required for metered services but not both. |
|  |  | DTM~313~~~~DD~01 |

**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 | | | | | | | |
|  | | | | 313 |  | Cycle | | | | |
|  | | | | | | Meter Cycle by Day of the Month | | | |
| **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 | | | | | | | |
|  | | | | DD |  | Day of Month in Numeric Format | | | | |
| **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 | | | | | | | |
|  | | | Day of month that the meter will be read, in DD format (e.g., 01 - 28). | | | | | | | |

**Segment: NM1 Individual or Organizational Name (Special Needs Emergency Contact 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:** |  | Provided if available when REF~SU=Y and Critical Care Status in the REF03 of the Special Needs (REF~SU) segment = "CCC", "CRC", "CCCT", or "CRCT". |
|  |  | NM1~SC~C~~~~~~EC~SNOW, JOE RAY JR  NM1~SC~C~~~~~~EC~XYZ COMPANY |

**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 | | | | | | | |
|  | | | | SC |  | Store Class | | | | |
|  | | | | | | Special Needs Emergency Contact Name | | | |
| **Must Use** | **NM102** | **1065** | **Entity Type Qualifier** | | | | **M** |  | **ID 1/1** | | |
|  | | | Code qualifying the type of entity | | | | | | | |
|  | | | | C |  | Custodial | | | | |
|  | | | | | | Contact Name | | | |
| **Must Use** | **NM108** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | EC |  | ARI Electronic Commerce Location ID Code | | | | |
|  | | | | | | Emergency Contact | | | |
| **Must Use** | **NM109** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | The Customer Contact Name should be formatted as follows: Last Name, First Name. | | | | | | | |
|  | | | Name fields shall contain commas only when associated with a valid Customer Name. (Last Name, First Name) | | | | | | | |
|  | | | Name fields that are populated with only a comma(s) or any one character punctuation shall be considered invalid and will be rejected by ERCOT and the TDSP. | | | | | | | |

**Segment: N3 Address Information (Special Needs Emergency Contact Mailing Address)**

**Position:** 100

**Loop:** NM1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 2

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

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Provided if available when REF~SU=Y and Critical Care Status in the REF03 of the Special Needs (REF~SU) segment = "CCC", "CRC", "CCCT", or "CRCT".  Only one N3 will be sent per NM1~SC Customer loop. |
|  |  | N3~123 N MAIN ST~ANY ADDRESS OVERFLOW |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

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

**Segment: N4 Geographic Location (Special Needs Emergency Contact Mailing Address)**

**Position:** 110

**Loop:** NM1 Optional

**Level:** Detail

**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:** |  | Provided if available when REF~SU=Y and Critical Care Status in the REF03 of the Special Needs (REF~SU) segment = "CCC", "CRC", "CCCT", or "CRCT". |
|  |  | N4~ANYTOWN~TX~78111  N4~ANYTOWN~TX~781110001  N4~MISSISSAUGA~ON~L4W4E4~CA |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Dep** | **N401** | **19** | **City Name** | | | | **O** |  | **AN 2/30** | |
|  | | | Free-form text for city name | | | | | | |
| **Dep** | **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) | | | | | | |
|  | | | Postal codes will only contain upper case letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded. | | | | | | |
| **Dep** | **N404** | **26** | **Country Code** | | | | **O** |  | **ID 2/3** | |
|  | | | Code identifying the country | | | | | | |
|  | | | For country codes not listed, please refer to ISO 3166 | | | | | | |
|  | | | Required if outside the United States. | | | | | | |
|  | | | | CA |  | Canada | | | |
|  | | | | CH |  | Switzerland | | | |
|  | | | | DE |  | Germany | | | |
|  | | | | ES |  | Spain | | | |
|  | | | | FR |  | France | | | |
|  | | | | GB |  | United Kingdom | | | |
|  | | | | IT |  | Italy | | | |
|  | | | | JP |  | Japan | | | |
|  | | | | MX |  | Mexico | | | |
|  | | | | PR |  | Puerto Rico | | | |
|  | | | | SE |  | Sweden | | | |

**Segment: PER Administrative Communications Contact (Special Needs Emergency Contact Telephone Numbers)**

**Position:** 120

**Loop:** NM1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Provided if available when REF~SU=Y and Critical Care Status in the REF03 of the Special Needs (REF~SU) segment = "CCC", "CRC", "CCCT", or "CRCT". |
|  |  | PER~SP~~TE~8005551212  PER~SP~~TE~8005551212~OT~8005552121 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | | |
|  | | | | SP |  | Special Program Contact | | | | |
|  | | | | | | Special Needs Contact Information | | | |
|  | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** |  | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | | |
|  | | | | TE |  | Telephone | | | | |
|  | | | | | | Primary Telephone Number | | | |
| **Dep** | **PER04** | **364** | **Communication Number** | | | | **X** |  | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | | |
|  | | | Punctuation (spaces, dashes, symbols etc.) must be excluded. | | | | | | | |
|  | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** |  | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | | |
|  | | | | OT |  | Other Residential Telephone Number | | | | |
|  | | | | | | Other Telephone Number if available | | | |
| **Dep** | **PER06** | **364** | **Communication Number** | | | | **X** |  | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | | |
|  | | | Punctuation (spaces, dashes, symbols etc.) must be excluded. | | | | | | | |

**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~10~000000001 |

**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 | | | |