**Texas**

**Standard**

**Electronic**

**Transaction**

**814\_04:**

##### Enrollment Notification Response

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 814

**Texas 814\_04:**

Enrollment Notification Response

This transaction set, from the TDSP to ERCOT, is used to provide the Scheduled Meter Read Date (SMRD) that the TDSP has calculated and pertinent Customer and Premise information in response to a Switch, Move-In, Move-Out to CSA request initiated by a Competitive Retailer or a Mass Transition of ESI IDs initiated by ERCOT. The historical usage, if requested by the submitter of the initiating transaction, will be sent using the 867\_02 transaction.

Document Flow:

* TDSP to ERCOT

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 Historical Usage request codes and examples and removed the LIN10 through LIN13. |
|  |  | * Changed verbiage under LIN “MVO” Move Out code. |
|  |  | * Added rejection reason codes “A83” and “API” in REF~7G |
|  |  | * 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.” |
|  |  | * Change transaction description page. |
|  |  |  |
| 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 Customer Name and Service Address—N1, N3 and N4 per Change Control #2000-034. |
|  |  | * Add the wording, “The following examples are all inclusive. Other combinations cannot be requested; for example, both HI and HU cannot be requested for the same ESI ID” to the LIN loop gray box. per Change Control #2000-026. |
|  |  | * Add REF~AQ Distribution Loss Factor to the LIN loop per Change Control #2000-035. |
|  |  | * Add REF~SPL Station ID to the LIN loop per Change Control #2000-004. |
|  |  | * 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. |
|  |  | * Add REF~PRT Unmetered Service class in the NM1 loop per Change Control #2000-002. |
|  |  |  |
| March 16, 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 |
|  |  | * Removed "DTM~MRR is required when requesting an off cycle read." from LIN SW code because this is a carryover from the Request transaction and has been confusing market participants by making them think they needed to include the DTM~MRR in the Response, which is not valid per patch list |
|  |  | * Changed "utility" to "TDSP" in REF~TZ (Meter Reading Cycle) |
|  |  | * Corrected examples to show more realistic combination of meter types |
|  |  |  |
| August 3, 2001  Version 1.4 |  | The following changes were made: |
|  |  | * Add new un-metered service types. Ref. 2001-047 |
|  |  | * 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 |
|  |  | * Modify gray box in REF~SPL. Ref. 2001-116 |
|  |  | * Modify gray box in REF~4P. Ref. 2001-118 |
|  |  | * 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” |
|  |  | Included REDLINES from CHANGE CONTROLS:  2001-168  2001-193 10/24/01   * 1. 12/05/01   2002-277 02/22/02  2001-119 – 02/27/02 Supports multiple reject reasons |
|  |  |  |
| June 17th, 2002  Version 1.5 |  | The following changes were made: |
|  |  | * Change Control 2001-161 – Added REF~PTC (Premise Type) |
|  |  | * Change Control 2001-179 – Removed “Quarterly” from gray box on REF02 in REF~MT |
|  |  | * Change Control 2001-215 – Modified Gray box language in the REF~PRT (Un-metered Service Type) |
|  |  | * Change Control 2002-236 – Added detail to Codes for the REF~PTC |
|  |  | * Change Control 2002-259 – Changed Life Support Indicator to Special Needs and eliminated “I” value. |
|  |  | * Change Control 2002-267 - Removed “9” value from the N103 in the N1~AY loop. |
|  |  | * Change Control 2002-271 – Added reject reason of “BIM” to REF~7G |
|  |  | * Change Control 2002-272 – Added reject reason of “FRB” to REF~7G |
|  |  | * Change Control 2002-304 – Added reject reasons of “ABN” and “NFI” to REF~7G |
| 8/5/02 |  | * Change Control 2002-335 – Added Clarification to REF~SU |
| 8/5/02 |  | * Change Control 2002-344 – Corrected SE counts in Examples |
| 8/5/02 |  | * Change Control 2002-353 – Corrected Implementation guide “Summary of Changes” by cleaning up previously missed or inaccurate additions to Summary of Changes: |
|  |  | * Change Control 2002-246 – Modified to have ERCOT forward the 814\_04 ASI U (reject) information received from the TDSP, in the 814\_05 ASI U (reject). |
|  |  | * Change Control 2002-353 – Updated Change Control Log to add approved Version 1.5 Change Control 2002-246. This was previously missed at time of update of implementation guide and is needed to reflect the approved change control. |
| 9/15/02 |  | * Change Control 2002-365 – Modified gray box of the “BIM” rejection code in the REF~7G |
|  |  | * Change Control 2002-388 – Added Reject Reason of “A75” to the REF~7G |
|  |  | * Change Control 2002-394 – Modified gray box of the “ABN” code in the REF~7G |
| 10/15/02 |  | * Change Control 2002-410 – Added “DRP” Code to the LIN segment |
|  |  | * Change Control 2002-417 – Added reject reason of “ANK” to the REF~7G |
|  |  | * Change Control 2002-420 – Replaced references to POLR with AREP |
| 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 |
| 5/29/03 |  | * Change Control 2002-459 Correct the LIN segment Gray box examples to include the LIN06 as SH and move subsequent LIN codes to the next position |
| 5/29/03 |  | * Change Control 2002-469 Add/revise gray box explanation for the description of code ‘FRB’ in the REF~7G (Reject Code) segment for response transaction to be applicable to all billing parties, not just the Muni/Coop market. |
| July 18, 2003  Version 2.0 |  | * Change Control 2003-518 - Change gray box under NFI reject reason to reflect that it is only used when the initiating transaction is requesting a date that has already been scheduled. Remove reference to 'Another CR' |
| 7/18/03 |  | * Change Control 2003-524 - Add a reject code on the 814\_04, 814\_05, and 814\_25 for Backdated transactions that are not apart of a coordinated effort. |
| 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. |
| 9/18/03 |  | * Change Control 2003-557 - Remove ‘NFI’ reject reason from the 814\_04 and 814\_05 |
| 9/18/03 |  | * Change Control 2003-562 - Add a new reject code to the 814\_02, 814\_17, 814\_25, 814\_04, and 814\_05 to indicate when the date requested is earlier than the start date of the ESI-ID |
| 9/18/03 |  | * Change Control 2003-566 - Create a new reject code ‘SBD’ to indicate that the ESI-ID requested is scheduled to be de-energized on the date of the request. Add to the 814\_02, 814\_04, and 814\_05 * Remove gray box associated with the ‘008’ reject code from CC 2003-520 for the 814\_02 and add gray box ‘Retired’. Add ‘008’ code with gray box ‘Retired’ to the 814\_04, 814\_05 |
| 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.”   Change Control 2004-637:   * Add graybox clarification to NM1 and REF segments to better communicate what is required when transmitting meter level information.   Clean up to the REF~7G to order codes to match SEF File. Also cleanup of text in the REF~7G (REF03) – 2.0 Change Control 2003-518 was created to add text that applied to NFI rejects and Change Control 2003-557 was created to remove the NFI reject but wasn’t applied to the REF03 text. |
| March 1, 2005  Version 2.1 |  | 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 2004-631:   * Remove the A75 reject code on the 814\_04 as it is no longer needed.   Change Control 2004-649:   * Add membership ID to numerous TX SET transactions to support Muni/Co-op business requirement to positively match all move-in, move-out, and switch requests to an existing MCTDSP membership/account.   Change Control 2005-680:   * Add new reject reason code of 'IMI - Invalid Membership Number or ID' to REF~7G segment to be used in MOU/EC market.   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 2006-692:   * Create transactional process for handling a CR to CR Mass Transition to reduce and/or eliminate the manual processes currently required to transition ESI IDs during a Mass Transition * New data element of BGN07 will be added to BGN Segment with new code of ‘TS’ Transfer for Mass Transition transfer of ESI IDs from CR to CR * Use existing reject REF~7G segment with new code of ‘017’ represents Service Terminated because Service Provider went Out of Business * Add New code of ‘SNP’ for Safety Net Move-In Pending will be added to the REF~7G Reject Reason   Change Control 2006-694:   * ERCOT validation is allowing only 5 or 9 digits in the customer service address zip segment. ANSI validation on the segment is 3 to 15 characters. Updated so that Market Participants know that only 5 or 9 digits can be submitted in this field.   Change Control 2006-703:   * Clarification required that ‘SNP’ shall only be used by the TDSP when 814\_03 is for Mass Transition and a Safety Net Request is pending for the ESI ID. Update REF~7G ‘SNP’ gray box. |
| November 30, 2010  Version 3.0A |  | Change Control 2009-729:   * Remove examples from Implementation Guides and create separate documents to allow for quicker correction and addition of new examples without a TX SET release   Change Control 2009-730:   * Update the term on-cycle to reflect Standard Switch and off-cycle to reflect Self Selected Switch   Change Control 2010-731:   * Update the TX SET Guides to correct spelling, grammar and punctuation. * Cleanup of gray box examples for consistency. |
| June 11, 2012  Version 4.0 |  | Change Control 2010-736:   * In order to reject a Move In or Switch which currently has a Switch Hold, a new reject code of SHF will be added to the appropriate transactions.   Change Control 2010-740:   * If the 814\_27 is received with REF~1P~HUU (Status Reason) HISTORICAL USAGE UNAVAILABLE, ERCOT should close the Business Process Instance (BPI) and the 867\_02 transaction should not be expected by the CR or ERCOT.   Change Control 2010-746:   * TX SET Guide changes by transaction required to support Acquisition Transfer.   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 2010-751:   * Adding new codes Force Majeure Event (FME) and Weather Moratorium (WTM)   Change Control 2010-756:   * Cleanup after 3.0A to have off-cycle updated to reflect self selected.   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 2011-771:   * Clarification of the gray box language further for the REF~1P~HIU code that was modified and approved in Change Control 2010-740.   Change Control 2011-780:   * Gray box language added to a new REF segment (REF~SH) notifying a POLR that a Tampering Switch Hold existed prior to the Mass transition. This Change Control replaces 2010-735 and Change Control 2010-768.   Change Control 2011-781:   * 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 2011-785:   * Adding new Rejection Reason Competing Transaction Scheduled for the Same date (TCC)   Change Control 2011-787:   * Update the 814\_04 REF~IX gray box. REF~IX is not optional when REF~MT = COMBO.   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 2020-806:   * Sync the Texas SET Implementation Guides with ERCOT Protocols in the way the Muni-Coop is abbreviated.   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 |
| August 1, 2023  Version 4.0A |  | Change Control 2023-841   * Update the REF~1W segment (membership ID), in the 814\_04 transactions to be required in MOU/EC market unless otherwise indicated in Retail Market Guide Section 8.1 to support options available to MOU/EC for retail transaction processing upon entry into retail competition. |

**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 |  |  |  |  |  |  |  |  |
|  | 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 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  | n1 |  |  |  |  |  |  |
|  | 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~11~200104021200719~20010402~~~200104011956531~~4  BGN~11~200104021200719~20010402~~~200104011956531~TS~4  BGN~11~200104021200719~20010402~~~200104011956531~AQ~4 |

**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 | | | | |
| **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 BGN06 of the Switch REP Notification Request (814\_03). This number will be tracked in the BGN06 through the lifecycle of the Registration Process. | | | | | | | |
|  | **BGN07** | **640** | **Transaction Type Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code specifying the type of transaction | | | | | | | |
|  | | | 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. | | | | | | | |
|  | | | | AQ |  | Quantity Verification Inquiry | | | | |
|  | | | | | | An inquiry as to the validity of the quantity associated with an open order | | | | |
|  | | | | | | Required as a response to ERCOT initiated transaction for an Acquisition Transfer to transfer the ESI ID from CR to CR  Otherwise not used | | | |
|  | | | | TS |  | Transfer Statement | | | | |
|  | | | | | | Required as a response to ERCOT initiated transaction for a Mass Transition to transfer the ESI ID from CR to CR  Otherwise not used | | | |
| **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. | | | | | | | |
|  | | | | 4 |  | Verify | | | | |
|  | | | | | | Indicates Texas SET Transaction 814\_04 | | | |

**Segment: N1 Name (Customer)**

**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:** |  | Accept Response: Required  Reject Response: Not Used |
|  |  | N1~8R~CUSTOMER  N1~8R~X  N1~8R~MASS TRANSITION CUSTOMER (The TDSP will echo back the same Customer Name as received in the 814\_03 when BGN07= 'TS' )  N1~8R~ACQUISITION TRANSFER CUSTOMER (The TDSP will echo back the same Customer Name as received in the 814\_03 when BGN07= 'AQ') |

**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 | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | This name field must be used in order to populate the service address in N3 and N4. The sender can determine what they put in this field. | | | | | | | |

**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:** |  | Accept Response: Required  Reject Response: Not Used  Only one N3 will be sent per N1~8R 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 | | | |
|  | | | Customer Service Address | | | |
| **Dep** | **N302** | **166** | **Address Information** | **O** |  | **AN 1/55** | |
|  | | | Address information | | | |
|  | | | Customer Service Address Overflow  Condition: If there is an overflow, it must be sent. | | | |

**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:** |  | Accept Response: Required. The first 5 characters will be used for validation against service zip stored at ERCOT. Reject Response: Not Used |
|  |  | N4~ANYTOWN~TX~78111 |

**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 | | | |
|  | | | Only uppercase letters (A to Z) are allowed. | | | |
| **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 digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded. Only 5 or 9 digits allowed. | | | |

**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~~41 |

**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 | | | | | | | |
| **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 (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~~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 | | | | | | | |
|  | | | | 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 | | | | | | | |
|  | | | | 40 |  | Receiver | | | | |

**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~CR NAME~1~007909422 |

**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 | | | | |
|  | | | | | | Competitive Retailer (CR) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | 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 | | | | | | | |
|  | | | CR D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | |

**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:** |  | This LIN will contain the same services (e.g., HU) listed in the LIN from the Switch REP Notification Request (814\_03). Essentially, it is an "echo" except that the LIN01 may be different and the services do not have to be in the same order.  Only 1 LIN Loop per EDI transaction is accepted in the Texas Market  When the BGN07 = 'TS' or 'AQ' ERCOT will initiate all 814\_03 Transactions to the TDSP with the following requirements for each ESI ID involved in the Transition:  Special Read for Self Selected Switch  Historical Interval Usage |
|  |  | Required |
|  |  | The following examples are all inclusive. Other combinations cannot be requested; for example, both HI and HU, both SW and MVI, or MVI and DRP cannot be requested for the same ESI ID. The LIN07 and LIN09 cannot contain the same value.  LIN~1~SH~EL~SH~CE  Standard Switch  LIN~1~SH~EL~SH~CE~SH~SW  Switch with Self Selected Read  LIN~1~SH~EL~SH~CE~SH~HU  Standard Switch with Historical Usage Request  LIN~1~SH~EL~SH~CE~SH~SW~SH~HU  LIN~1~SH~EL~SH~CE~SH~HU~SH~SW  Switch with Self Selected Read and Historical Usage Request  LIN~1~SH~EL~SH~CE~SH~HI  Standard Switch with Detail Historical Interval Usage Request  LIN~1~SH~EL~SH~CE~SH~SW~SH~HI  LIN~1~SH~EL~SH~CE~SH~HI~SH~SW  Switch with Self Selected Read and Detail Historical Interval Usage Request  LIN~1~SH~EL~SH~CE~SH~MVI  Move In  LIN~1~SH~EL~SH~CE~SH~MVI~SH~HU  LIN~1~SH~EL~SH~CE~SH~HU~SH~MVI  Move In with Historical Usage Request  LIN~1~SH~EL~SH~CE~SH~MVI~SH~HI  LIN~1~SH~EL~SH~CE~SH~HI~SH~MVI  Move In with Detail Historical Interval Usage Request  LIN~1~SH~EL~SH~CE~SH~MVO  Move Out sent to TDSP when there is a switch to CSA CR  LIN~1~SH~EL~SH~CE~SH~SW~SH~HI  LIN~1~SH~EL~SH~CE~SH~HI~SH~SW  ERCOT generated Transfer to CR with a Self Selected Switch with Historical Interval Usage Requested  LIN~1~SH~EL~SH~CE~SH~HI  ERCOT initiated Acquisition Transfer to CR with a Standard Switch with Historical  Interval Usage request  LIN~1~SH~EL~SH~CE~SH~SW~SH~HI  LIN~1~SH~EL~SH~CE~SH~HI~SH~SW  ERCOT initiated Acquisition Transfer to CR with a Self Selected switch with  Historical Interval Usage request |

**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 | | | | |
|  | **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 | | | | |
|  | **LIN07** | **234** | **Product/Service ID** | | | | **X** |  | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | | |
|  | | | | HI |  | Historical Interval Usage | | | | |
|  | | | | | | Request to obtain Historical Interval Usage for this premise by interval.  If the intervals are available, the TDSP will send the 867\_02 Historical Usage, containing the following two PTD Loops:  PTD~BO (Interval Summary)  PTD~PM (Interval Detail)  If this ESI ID does not have interval meters, or if the intervals are not available, the TDSP will send the 867\_02 Historical Usage, containing any of the following PTD Loops, as appropriate, along with a status code REF~1P~HIU:  PTD~BD (Unmetered Services)  PTD~BO (Interval Summary)  PTD~PL (Non-Interval Detail) | | | |
|  | | | | HU |  | Historical Summarized Usage | | | | |
|  | | | | | | Request to obtain Historical Summarized Usage for this premise (interval, non-interval or unmetered). The TDSP will send the 867\_02 Historical Usage, which may contain any of the following PTD Loops:  PTD~BD (Unmetered Services)  PTD~BO (Interval Summary)  PTD~PL (Non-Interval Detail) | | | |
|  | | | | MVI |  | Move In | | | | |
|  | | | | | | Request for a customer enrollment when a new customer moves into a premise. | | | |
|  | | | | MVO |  | Move Out | | | | |
|  | | | | | | Notification that the customer is moving out of the premise. | | | |
|  | | | | SW |  | Special Read for Self Selected Switch | | | | |
|  | | | | | | Request for a special meter read for a customer to switch Self Selected, i.e., not at the next, regularly scheduled meter read. | | | |
|  | **LIN08** | **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 | | | | |
|  | **LIN09** | **234** | **Product/Service ID** | | | | **X** |  | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | | |
|  | | | | HI |  | Historical Interval Usage | | | | |
|  | | | | HU |  | Historical Summarized Usage | | | | |
|  | | | | MVI |  | Move In | | | | |
|  | | | | MVO |  | Move Out | | | | |
|  | | | | SW |  | Special Read for Self Selected Switch | | | | |

**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~WQ~101 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ASI01** | **306** | **Action Code** | | | | **M** |  | **ID 1/2** | | |
|  | | | Code indicating type of action | | | | | | | |
|  | | | | U |  | Reject | | | | |
|  | | | | WQ |  | Accept | | | | |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | | | | **M** |  | **ID 3/3** | | |
|  | | | Code identifying the specific type of item maintenance | | | | | | | |
|  | | | | 101 |  | Service Change | | | | |
|  | | | | | | Switch CR Notification | | | |

**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:** |  | Accept Response: Required when meter is a provisioned AMS meter at ERCOT.  Reject Response: Not Used |
|  |  | 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 (Status Reason)**

**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:** |  | Accept Response: Required when status information must be conveyed.  Reject Response: Not Used |
|  |  | REF~1P~HUU~HISTORICAL USAGE UNAVAILABLE |

**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 | | | | |
|  | | | | | | Used on the response when the request is accepted, and additional status information must be provided. | | | |
| **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 | | | | |
|  | | | | | | Explanation Required in REF03. | | | |
|  | | | | HIU |  | Historical Interval Usage Unavailable | | | | |
|  | | | | | | Summarized Historical Usage will be provided in the TX SET 867\_02 Historical Usage transaction. | | | |
|  | | | | HUU |  | Historical Usage Unavailable | | | | |
|  | | | | | | No Historical Usage Available for this ESI ID | | | |
|  | | | | W09 |  | Special, Self Selected meter reading cannot be performed. | | | | |
|  | | | | | | Meter will be read on the normal, on-cycle read date. | | | |
|  | | | | W11 |  | Special, Self Selected meter read will occur on a date other than the requested date, as identified in DTM~150. | | | | |
|  | | | | | | Special meter read date must be before the next scheduled meter read. | | | |
| **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. Code "A13" requires a text explanation in this element. | | | | | | | |

**Segment: REF Reference Identification (Rejection Reason)**

**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:** |  | More than one rejection reason code may be sent by repeating the REF~7G segment.  Accept Response: Not Used  Reject Response: Required |
|  |  | REF~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 | | | | |
|  | | | | | | Reject reasons associated with a reject status notification. | | | |
| **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 |  | ESI ID Exists But is Not Active | | | | |
|  | | | | | | Retired | | | |
|  | | | | 017 |  | Service Terminated because Service Provider went Out of Business | | | | |
|  | | | | | | Received initiating TX SET transaction from CR that is exiting the Market. For ERCOT use Only. | | | |
|  | | | | A13 |  | Other | | | | |
|  | | | | | | Explanation Required in REF03. | | | |
|  | | | | A76 |  | ESI ID Invalid or Not Found | | | | |
|  | | | | A83 |  | Invalid or Unauthorized Action | | | | |
|  | | | | | | Information provided was not supported in the Texas SET Standards. | | | |
|  | | | | ABN |  | Duplicate Request Received | | | | |
|  | | | | | | Used by TDSP to reject an 814\_03, which contains the same value in the BGN02 as a previously submitted 814\_03. The ABN code is to be used only for transactions between the TDSP and ERCOT. The code is not sent to the CR by ERCOT. | | | |
|  | | | | ACI |  | Action Code (ASI01) Invalid | | | | |
|  | | | | ANK |  | Invalid Source Information | | | | |
|  | | | | | | Unnecessary Billing Information Included. | | | |
|  | | | | API |  | Required information missing | | | | |
|  | | | | | | Explanation Required in REF03. May not be used in place of other, more specific error codes. | | | |
|  | | | | BIM |  | Billing Information Missing | | | | |
|  | | | | | | Information required in the N1~BT (Customer Billing Loop) not received. Used by Muni/Coops only. | | | |
|  | | | | D76 |  | DUNS Number Invalid or Not Found | | | | |
|  | | | | FME |  | Force Majeure Event | | | | |
|  | | | | FRB |  | Incorrect Billing Type (REF~BLT) Requested | | | | |
|  | | | | | | Billing type indicated not supported by billing party | | | |
|  | | | | IBO |  | Invalid Backdate Originator | | | | |
|  | | | | | | Backdated request not part of a coordinated back-office clean up. MIMO Rules, ERCOT 24 | | | |
|  | | | | IMI |  | Invalid Membership Number or ID | | | | |
|  | | | | | | Membership ID or account number used by the MOU/EC TDSP does not exist, is inactive, or is otherwise invalid. For MOU/EC use only. | | | |
|  | | | | MTI |  | Maintenance Type Code (ASI02) Invalid | | | | |
|  | | | | RNE |  | Request Not Eligible | | | | |
|  | | | | | | Start date requested is earlier than the ESI-ID start date | | | |
|  | | | | SBD |  | Scheduled to be De-energized | | | | |
|  | | | | | | ESI ID exists but scheduled to be de-energized on date requested. MIMO Rules, ERCOT 4 | | | |
|  | | | | SCP |  | Scheduling Conflict Priority | | | | |
|  | | | | | | Switch request caused conflict with transaction currently scheduled. MIMO Rules, ERCOT 1, TDSP 4. | | | |
|  | | | | SHF |  | Switch Hold Indicator | | | | |
|  | | | | | | For TDSP use only when Switch Hold has been placed on Premise. This Switch Hold will block MVI or Switch request from being scheduled by the TDSP | | | |
|  | | | | SNP |  | Safety NET Request Pending for Different CR | | | | |
|  | | | | | | For TDSP use when a Safety Net Move-In is scheduled and Mass Transition (BGN07='TS') transaction is received from ERCOT. This code is valid only when BGN07='TS'. | | | |
|  | | | | TCC |  | Competing Transaction Scheduled for the Same Date | | | | |
| **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. Codes "A13", and "API" require a text explanation in this element. | | | | | | | |

**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. |
|  |  | Accept Response: Required  Reject Response: Not Used  Only 1 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 (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:** |  | Accept Response: Required  Reject Response: Not Used  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 (Membership 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 in MOU/EC market, unless otherwise indicated in Retail Market Guide 8.1. Otherwise, not used. ERCOT does not validate whether or not the segment is required. |
|  |  | REF~1W~~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 | | | | | | | |
|  | | | | 1W |  | Membership Identification Number | | | | |
|  | | | | | | Membership Number or ID | | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Membership ID, account number or other value as assigned by the MOU/EC that positively identifies the end-use customer to the MOU/EC TDSP. Required if ESI ID is located in MOU/EC service territory, unless otherwise indicated in Retail Market Guide 8.1. | | | | | | | |

**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. |
|  |  | Accept Response: Required  Reject Response: Not Used  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:** |  | Accept Response: Required  Reject Response: Not Used  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 whom 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.  NOTE: For ERCOT initiated Mass Transition transactions (BGN07 = TS) and Acquisition Transfer transactions (BGN07 = AQ) all ESI IDs involved in the transition REF~SU - REF 02 will equal 'N' (No) Special Needs are not required.  If the TDSP has the ESI ID flagged as Special Needs 'Y' "Special Needs are Required" prior to receiving the 814\_03 Mass Transition transactions (BGN07 = TS) or Acquisition Transfer transaction (BGN07 = AQ), the TDSP will populate the 814\_04 REF02 with 'Y' for the REF~SU and the REF03 with the appropriate special needs code.  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: REF Reference Identification (Switch Hold Indicator 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:** |  | Required only when BGN07="TS" in the 814\_03 transaction that is received from ERCOT and accepted by the TDSP for a Mass Transition Switch request. 814\_04 must also contain a BGN07 = 'TS' |
|  |  | Mass Transition ESI IDs that were subject to a Tampering Switch Hold will reflect REF~SH~Y and all other ESI IDs in the Mass Transition event will reflect REF~SH~N, this would include Deferred or Bill Payment Switch Hold ESI IDs.  Only one REF~SH will be sent per transaction. |
|  |  | REF~SH~Y  REF~SH~N |

**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 | | | | | | | |
|  | | | | SH |  | Sender Defined Clause | | | | |
|  | | | | | | Switch Hold Indicator Status prior to TDSP accepting the Mass Transition Switch transaction where the BGN07= "TS" in the 814\_03 transaction received from ERCOT | | | |
| **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 | | | | |
|  | | | | | | Tampering Switch Hold did not apply to this ESI ID prior to the 814\_03 Mass Transition Switch (BGN07="TS") transaction is received by TDSP | | | |
|  | | | | Y |  | Yes | | | | |
|  | | | | | | Tampering Switch Hold did apply to this ESI ID prior to 814\_03 Mass Transition Switch (BGN07="TS") transaction is received by TDSP | | | |

**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 when 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:** |  | Accept Response: Required  Reject Response: Not Used  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:** |  | Accept Response: Required  Reject Response: Not Used  If the NM109 does not equal UNMETERED or NONE, a REF~MT and REF~4P are required (REF~IX is conditional based on Meter Type) |
|  |  | 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.  Use NONE where meter or unmetered devices are yet to be installed. | | | | | | | |

**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:** |  | Required only when the NM109 does not equal UNMETERED or NONE.  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. |
|  |  | Accept Response: 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.  Reject Response: Not Used |
|  |  | REF~4P~10~KHMON~TU^41  REF~4P~1~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 (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:** |  | Required when the NM109 does not equal UNMETERED or NONE and the REF~MT = KHxxx or COMBO.  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 |
|  |  | Accept Response: Required for each meter type for each meter that is used for billing purposes that has dials.  Reject Response: Not Used |
|  |  | 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  Accept Response: Required  Reject Response: Not Used  Only one REF~LO will be sent per transaction. |
|  |  | 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  The value shall correspond to an ERCOT-defined Load Profile that is published on the ERCOT website. | | | |
| **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:** |  | Required when NM109 does not equal NONE or UNMETERED.  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. |
|  |  | Accept Response: Required for each meter that is used for billing purposes. This segment will not be provided in the NM1 loop for UNMETERED services.  Reject Response: Not Used  Only one REF~MT will be sent per NM1 loop. |
|  |  | 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:** |  | Not Used when NM109 = NONE  Accept Response: Required for each meter that is used for billing purposes. This segment must also be sent when account has UNMETERED services available.  Reject Response: Not Used |
|  |  | 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:** |  | Not Used when NM109 = NONE  Accept Response: 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.  Reject Response: Not Used |
|  |  | 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.) |
|  |  | Accept Response: Required for each unmetered service type used for billing purposes.  Reject Response: Not Used |
|  |  | 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 Devise | | | | |
|  | | | | 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. |
|  |  | Accept response: Required when the meter read is done by cycle. Required for unmetered services.  Reject Response: Not Used  One of either the REF~TZ or the DTM~313 is required for metered services but not both. |
|  |  | REF~TZ~15  REF~TZ~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 | | | | | | | |
|  | | | | 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 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:** |  | Accept Response: Required on metered services if meter read based on a day of the month. Not used for unmetered services.  Reject Response: Not Used  One of either the REF~TZ or 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. | | | | | | | |

**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 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 | | | |
|  | | | Customer Service Address | | | |
| **Dep** | **N302** | **166** | **Address Information** | **O** |  | **AN 1/55** | |
|  | | | Address information | | | |
|  | | | Customer Service Address Overflow  Condition: If there is an overflow, it must be sent. | | | |

**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~22~000000001 |

**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 | | | |