**Texas**

**Standard**

**Electronic**

**Transaction**

**867\_04:**

##### Initial Meter Read

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 867

**Texas 867\_04:**

Initial Meter Read

This transaction set...

... from the TDSP to ERCOT is used to report the initial read associated with ***a Switch and/or*** a Move-In.

... from the ERCOT to CR is used to report the initial read associated with ***a Switch and/or*** a Move-In.

Document Flow:

* TDSP to ERCOT
* ERCOT to CR

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

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| August 23, 2000  Version 1.1 |  | Initial Release |
| 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 Structure Page |
|  |  | * Add examples to end of transaction. |
|  |  | * Add Time of Use code 71-- Summer Super On-Peak to MEA07 of PTD~SU loop per Change Control #2000-18. |
|  |  | * Change PTD04 and PTD05 to dependent and add gray box to state, “Required for metered services, otherwise not used.” |
|  |  | * Add gray box stating “Required for metered services, otherwise not used” to the PTD~BJ loop, QTY and MEA segments. |
| March 27, 2001  Version 1.3 |  | The following changes were made: |
|  |  | * Remove scenarios from cover page |
|  |  | * Correct examples for unmetered loop |
|  |  | * Replace RA, Settlement, Registration Agent with ERCOT |
|  |  | * Added REF segment for Original Transaction Reference Number |
| August, 2001  Version1.4 |  | The following changes were made: |
|  |  | * Change language on page 2 ‘This transaction set…’ ref. 2001-106 |
|  |  | * Change language in gray box of REF~TN ref. 2001-115 |
|  |  | * Change language in gray box of REF02 of REF~TN ref. 2001-115 |
|  |  | * Added REDLINES from Change Controls: 2001-180 |
| May 1, 2002  Version1.5 |  | The following changes were made: |
|  |  | * Added comments to the How To Use section to indicate the 867\_04 can only be submitted once. The read and consumption can be adjusted in the first 867\_03 but the start and end dates must be the same. Ref: 2002-243 |
|  |  | * Remover code “9” DUNS+4 from N103 for ERCOT. Ref: 2002-267 |
| 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 |
| September 29th, 2003  Version 2.0 |  | * No Changes |
| October 8, 2004  Version 2.0A |  | Change Control 2003-581:   * Correct all 867\_04 Examples to include the REF~TN (Original Transaction ID) which is a required field.   Change Control 2004-634:   * As per discussions at the June 04 TX SET meeting, additional language should be added to each Transaction Set to identify the requirements and required response to the 997 Functional acknowledgement - The Functional Acknowledgement (997) transaction set from the receiver of the originating transaction to the sender of the originating transaction, is used to acknowledge the receipt of the originating transaction and indicate whether the transaction passed ANSI X12 validation. This acknowledgement does not imply that the originating transaction passed Texas SET validation. “CR, TDSP, or ERCOT shall respond with a 997 within 24 hours of receipt of an inbound transaction.” |
| March 1, 2005  Version 2.1 |  | Change Control 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 2006-697:   * Clean up of Examples. 867\_04 examples (2 of 5) and (3 of 5) are wrong in that they have actual switch dates that conflict for multiple metered ESIIDs. You can not have different dates for meters on a switch. |
| November 30, 2010  Version 3.0A |  | Change Control 2007-709:   * REF~TN needs to specify that special characters are not allowed. Clarification of the gray box   Change Control 2009-729:   * Remove all examples from the TX SET Implementation guides and post them into a separate document for quicker correction and addition of new examples without a TX SET release.   Change Control 2010-731:   * Update the TX SET Guides to correct spelling, grammar and punctuation. * Cleanup of gray box example for consistency. |
| June 11, 2012  Version 4.0 |  | 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. |
| TBD, 2020  Version 4.0A |  | Change Control 2020-813   * Administrative updates to the Texas SET 867\_02, 867\_03 and 867\_04 Guides in order to reflect actual transaction processing.   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. |

**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 |

One or more examples.

**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 | | | | | | | |

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

This column shows the Texas use of each data element.

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.

**Adjustment to Initial Reads (867\_04)**

The start date of the 867\_04 and the beginning date of the first 867\_03 will always be the same.

The 867\_04 provides initial read information. The Texas SET EDI Implementation Guidelines do not support sending a corrected or adjusted Initial Meter Read Notification. If the initial meter read requires a correction or adjustment, it will be done using the Measurements (Meter Reads) and/or Service Period Start information from the first 867\_03.

If there is a discrepancy between the 867\_04 and the first 867\_03 after the switch or move-in has been completed, the CR should use the starting information from the 867\_03 as the initial meter read information.

**867 Product Transfer and Resale Report**

ANSI ASC X12 Structure

**Functional Group ID=PT**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

**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 | BPT | Beginning Segment for Product Transfer and Resale | M | 1 |  |  |  |  |  |  |  |  |
|  | 060 | REF | Reference Identification | O | 12 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | 5 |  |  |  |  |  |  |  |
|  | 080 | N1 | Name | O | 1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Detail:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - PTD |  |  | >1 |  |  |  |  |  |  |  |
| M | 010 | PTD | Product Transfer and Resale Detail | M | 1 |  |  |  |  |  |  |  |  |
|  | 020 | DTM | Date/Time Reference | O | 10 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - QTY |  |  | >1 |  |  |  |  |  |  |  |
|  | 110 | QTY | Quantity | O | 1 |  |  |  |  |  |  |  |  |
|  | 160 | MEA | Measurements | O | 40 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Summary:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 030 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes**

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~867~000000001 |

**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 | | | | | | |
|  | | | | 867 |  | Product Transfer and Resale Report | | | |
| **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: BPT Beginning Segment for Product Transfer and Resale**

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data

**Syntax Notes:** **1** If either BPT05 or BPT06 is present, then the other is required.

**Semantic Notes:** **1** BPT02 identifies the transfer/resale number.

**2** BPT03 identifies the transfer/resale date.

**3** BPT08 identifies the transfer/resale time.

**4** BPT09 is used when it is necessary to reference a Previous Report Number.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | BPT~SU~200107310001~20010731 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BPT01** | **353** | **Transaction Set Purpose Code** | | | | **M** |  | **ID 2/2** | |
|  | | | Code identifying purpose of transaction set | | | | | | |
|  | | | | SU |  | Status Update | | | |
| **Must Use** | **BPT02** | **127** | **Reference Identification** | | | | **O** |  | **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** | **BPT03** | **373** | **Date** | | | | **M** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |
|  | | | The transaction creation date - the date that the data was processed by the sender's application system. | | | | | | |

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

**Position:** 060

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 12

**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 | | | |
| **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).  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 ~). ESI ID length must be at least 8 and no more than 36 characters. | | | | | | | |

**Segment: REF Reference Identification (Original Transaction ID)**

**Position:** 060

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 12

**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 source of this value will be the BGN06 of the 814\_03.  Only one REF~TN will be sent per transaction. |
|  |  | Required  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. |
|  |  | REF~TN~1234567820010620 |

**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 | | | | | | |
|  | | | | TN |  | Transaction Reference Number | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | Original Transaction Reference Number from the BGN06 of the 814\_03. | | | | | | |

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

**Position:** 080

**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 (TDSP to ERCOT)  N1~8S~TDSP COMPANY~1~007909411 (ERCOT to CR) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | 8S |  | Consumer Service Provider (CSP) | | | | |
|  | | | | | | Transmission Distribution Service Provider (TDSP) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | Utility Name | | | | | | | |
|  | | | 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** | **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 | | | | | | | |
| **Dep** | **N106** | **98** | **Entity Identifier Code** | | | | **O** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | TDSP to ERCOT: Required  ERCOT to CR: Not Used | | | | | | | |
|  | | | | 41 |  | Submitter | | | | |

**Segment: N1 Name (ERCOT)**

**Position:** 080

**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 (TDSP to ERCOT)  N1~AY~ERCOT~1~183529049~~41 (ERCOT to CR) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | AY |  | Clearinghouse | | | | |
|  | | | | | | ERCOT | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | ERCOT Name | | | | | | | |
|  | | | 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** | **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 | | | | |
|  | | | | 41 |  | Submitter | | | | |

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

**Position:** 080

**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~9~007909422CR1 (TDSP to ERCOT)  N1~SJ~CR~9~007909422CRP1~~40 (ERCOT to CR) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | | SJ |  | Service Provider | | | | |
|  | | | | | | Competitive Retailer (CR) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | CR Name | | | | | | | |
|  | | | 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** | **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 | | | | | | | |
| **Dep** | **N106** | **98** | **Entity Identifier Code** | | | | **O** |  | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | |
|  | | | TDSP to ERCOT: Not Used  ERCOT to CR: Required | | | | | | | |
|  | | | | 40 |  | Receiver | | | | |

**Segment: PTD Product Transfer and Resale Detail (Switch Date/Read)**

**Position:** 010

**Loop:** PTD Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data

**Syntax Notes:** **1** If either PTD02 or PTD03 is present, then the other is required.

**2** If either PTD04 or PTD05 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | One PTD loop is required for each meter. |
|  |  | PTD~BJ (unmetered device)  PTD~BJ~~~MG~1234568MG (metered device) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PTD01** | **521** | **Product Transfer Type Code** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code identifying the type of product transfer | | | | | | | |
|  | | | | BJ |  | Relocation | | | | |
|  | | | | | | Switch Date/Read | | | |
| **Dep** | **PTD04** | **128** | **Reference Identification Qualifier** | | | | **X** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | Required for metered service, otherwise not used. | | | | | | | |
|  | | | | MG |  | Meter Number | | | | |
| **Dep** | **PTD05** | **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 Number  Meter numbers will contain only uppercase letters (A to Z) and digits (0 to 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and significant leading and trailing zeros that are part of the meter number must be present. | | | | | | | |
|  | | | Required for metered service, otherwise not used. | | | | | | | |

**Segment: DTM Date/Time Reference (Actual Switch Date)**

**Position:** 020

**Loop:** PTD Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required  Only one DTM~140 will be sent per transaction. |
|  |  | DTM~140~20010731 |

**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 | | | | | | | |
|  | | | | 140 |  | Actual | | | | |
|  | | | | | | Actual Switch Date | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | | |

**Segment: QTY Quantity**

**Position:** 110

**Loop:** QTY Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify quantity information

**Syntax Notes:** **1** At least one of QTY02 or QTY04 is required.

**2** Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** **1** QTY04 is used when the quantity is non-numeric.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required for metered service, otherwise not used.  Each unit of measure requires a separate QTY loop. Only one unit of measure can be used for each QTY loop. For a read with two different units of measure the following structure should be followed:  PTD  QTY  MEA  QTY  MEA |
|  |  | QTY~QD~~~NV |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **QTY01** | **673** | **Quantity Qualifier** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code specifying the type of quantity | | | | | | | |
|  | | | | KA |  | Estimated | | | | |
|  | | | | | | Read is estimated | | | |
|  | | | | QD |  | Quantity Delivered | | | | |
|  | | | | | | Read is actual | | | |
| **Must Use** | **QTY04** | **61** | **Free-Form Message** | | | | **X** |  | **AN 1/30** | | |
|  | | | Free-form information | | | | | | | |
|  | | | | NV |  | No Value | | | | |

**Segment: MEA Measurements (Meter Reads)**

**Position:** 160

**Loop:** QTY Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 40

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Syntax Notes:** **1** At least one of MEA03 MEA05 MEA06 or MEA08 is required.

**2** If MEA05 is present, then MEA04 is required.

**3** If MEA06 is present, then MEA04 is required.

**4** If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.

**5** Only one of MEA08 or MEA03 may be present.

**Semantic Notes:** **1** MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

**Comments:** **1** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required for metered service, otherwise not used.  Only one MEA will be sent per QTY loop. |
|  |  | MEA~~~~KH~~11005~51 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **MEA04** | **C001** | **Composite Unit of Measure** | | | | **X** |  |  | | |
|  | | | To identify a composite unit of measure (See Figures Appendix for examples of use) | | | | | | | |
|  | | | Please note that this is a composite data element, populate C00101. | | | | | | | |
| **Must Use** | **C00101** | **355** | **Unit or Basis for Measurement Code** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | | | | |
|  | | | | K3 |  | Kilovolt Amperes Reactive Hour | | | | |
|  | | | | | | kVARH | | | |
|  | | | | KH |  | Kilowatt Hour | | | | |
|  | | | | | | kWh | | | |
| **Must Use** | **MEA06** | **741** | **Range Maximum** | | | | **X** |  | **R 1/20** | | |
|  | | | The value specifying the maximum of the measurement range | | | | | | | |
|  | | | Switch Read  New Customer, New Meter, installed during the Off-Peak consumption period measurement could be zero. | | | | | | | |
| **Must Use** | **MEA07** | **935** | **Measurement Significance Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code used to benchmark, qualify or further define a measurement value | | | | | | | |
|  | | | | 41 |  | Off Peak | | | | |
|  | | | | 42 |  | On Peak | | | | |
|  | | | | 43 |  | Intermediate | | | | |
|  | | | | | | Mid-Peak | | | |
|  | | | | 51 |  | Total | | | | |
|  | | | | | | Totalizer/Total/Max (Demand) | | | |
|  | | | | 71 |  | Low | | | | |
|  | | | | | | Summer Super On-Peak | | | |

**Segment: SE Transaction Set Trailer**

**Position:** 030

**Loop:**

**Level:** Summary

**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~11~000000001 |

**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 | | | |