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| **Texas SET Change Control Request Form**  **Change Control Number: 2020-822**  **Implementation Version: Future** |

**This Section Is Completed by Submitter of Change Control Request Only:**

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| **Submitter Name:**  Kathy Scott | **Submitting Company Name:**  CenterPoint Energy | **Phone Number:**  713-582-8654 |
| **Date of Submission:**  05-07-2020 | **Affected TX SET Transaction(s):**  814\_20 | **Submitter’s E-Mail Address:**  Kathy.Scott@CenterPointEnergy.com |
| **Texas SET Issue cross-reference number:**  None | Protocol Impact (Y/N):  N |
| **Detailed Description and Reason for Proposed Change(s):**  Below is the email received from Kathryn Thurman (ERCOT) on April 27, 2020:  *“The current logic at ERCOT is validating against the NM101 of MX regardless of the meter type. So, in the case below, even though the NM108 = 93 and the NM101= NONE we were expecting the REF~4P since the NM101 = MX.*  *NM101 = MA (Meter Addition): Required*  *NM101 = MX (Meter Exchange): Required*  *NM101 = MR (Meter Removal): Not Used*  *NM101 = MQ (Meter Information): Required when changing the Load Profile (REF~TD~REFLO) and Meter Information is known (NM108 = 32 and NM109 = 123456789 (Meter Number)).*  *REF~4P is not sent when the NM108 = 93 and NM109 = 'NONE' or 'UNMETERED'.*  *Required when changing the Meter Multiplier (REF~TD~REF4P).*  *I passed the below language from the guide around to a few people, and they were unsure which we should be going by, the NM101 = MX is required or the NM108 = 93 and the NM101= NONE.”*  This change control was written to correct/clarify the 814\_20 REF~4P segment from ‘**Required**’ to ‘**Optional**’ when NM101=MX (Meter Exchange) and when NM101= MQ (Meter Information) because these processes are conditional based upon the meter/unmetered level data elements found in the NM1 loop. Hopefully this Change Control can be incorporated into ERCOT’s 2020 EDI translator changes and can be included in TX SET’s v4.0A implementation for ERCOT to systematically accept these 814\_20 transaction types. | | |
| **NOTE:** Requester must complete above fields and include a redlined example of modifications to each impacted implementation guide. This must be included at the time the request form is submitted.  **Please submit this completed form via e-mail to**[txsetchangecontrol@ercot.com](mailto:txsetchangecontrol@ercot.com) and RMS Chair***.*** | | |

**For ERCOT Change Control Manager Use Only:**

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| **Texas SET Recommendation:**  Recommend Approval for 4.0A | **Recommendation for Emergency (Y/N):**  N | **Date of TX SET Recommendation:**  05.20.2020 |
| **Detailed Description and Reason for Revision:**  05.20.2020 - Recommend Approval for TX SET 4.0A | | |
| **RMS Decision:** | **Emergency (Y/N):** | **Date of RMS Decision:** |
| **Summary of RMS Discussion:** | | |

**814\_20: ESI ID Maintenance Requested for Version 4.0A**

**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:**

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| **Notes:** |  | There will be one REF~4P segment for each Meter Type, creating the potential for more than one REF~4P segment per NM1 Loop.  For instance, if the meter has multiple meter types, and therefore the REF~MT segment is REF~MT~COMBO, there will be multiple REF~4P segments, one to indicate the meter multiplier for each type. For example,  NM1~MQ~3~~~~~~32~1234568MG  REF~MT~COMBO  REF~4P~1200~K1015~TU^41  REF~4P~1~KH015~TU^41  Note: Format of the multiplier could be in the form of a fraction (e.g. 48.78432)  Also note that since the Meter Multiplier is required for each Time of Use, this segment is also used to determine which Time of Use will be sent on the 867 transaction. |
|  |  | Conversion/Create ESI ID Request: Not Used  Change ESI ID Information Request: Required if changing this item  Retire ESI ID Request: Not Used  NM101 = MA (Meter Addition): Required  NM101 = MX (Meter Exchange): Optional   * REF~4P Required when changing the Meter Multiplier (REF~TD~REF4P) * REF~4P NOT Required when NM108 = ‘93’ and NM109 = ‘NONE’ OR ‘UNMETERED’ * This segment will not be provided in the NM1 loop for UNMETERED Services.   NM101 = MR (Meter Removal): Not Used  NM101 = MQ (Meter Information): Optional   * REF~4P Required when changing the Load Profile (REF~TD~REFLO) and Meter Information is known (NM108 = 32 and NM109 = 123456789 (Meter Number)). |
|  |  | REF~4P~10~KHMON~TU^41  REF~4P~1~K1MON~TU^41  REF~4P~1.5~K1MON~TU^41 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
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| **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 | | | | |