**Texas**

**Standard**

**Electronic**

**Transaction**

**814\_20:**

##### ESI ID Maintenance Request

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 814

**Texas 814\_20:**

ESI ID Maintenance Request

This transaction set...

… from the TDSP to ERCOT is used to initially populate the registration system for conversion/opt-in.

... from the TDSP to ERCOT is used to communicate the creation of a new ESI ID, changes to information associated with an existing ESI ID, or retirement of an existing ESI ID.

... from ERCOT to the current CR, is used to communicate the TDSP’s changes to an existing ESI ID.

... from ERCOT to the new CR, is used to communicate the TDSP’s changes to an existing ESI ID.

Document Flow:

* TDSP to ERCOT
* ERCOT to Current CR
* ERCOT to New CR

Note: When the Current CR and New CR are the same ERCOT will only send one 814\_20 to that 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** |
| November 30, 2010  Version 3.0A |  | Initial Release |
| June 11, 2012  Version 4.0 |  | Updated examples for TX SET 4.0 |
| November 11, 2024  Version 5.0 |  | Added County to N1\*8R address loop.  Added example for Metered Service Type. |

814\_20 Example #1 of 11

Create ESI ID Request – TDSP to ERCOT

|  |  |  |  |
| --- | --- | --- | --- |
| TDSP submits Create ESI ID Request to ERCOT | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8R~CUSTOMER NAME | | | Customer Name |
|  | N3~123 MAIN AVE | | Customer Service Address |
|  | N4~ANYTOWN~TX~77777~~CO~HARRIS | | Customer Service Address City, State, Zip, County |
| N1~8S~TDSP NAME~1~009876543~~41 | | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Creating a New ESI ID Request |
|  | ASI~7~021 | | Request to Create ESI ID |
|  | REF~AQ~A | | Distribution Loss Factor Code |
|  | REF~Q5~~12345678910111231 | | ESI ID |
|  | REF~SPL~~HIDALGO | | Substation ID |
|  | REF~SU~N | | Special Needs Indicator |
|  | REF~PTC~01 | | Premise Type |
|  | REF~SR~ERCOT | | Power Region |
|  | DTM~196~20070417 | | Start Date for ESI ID |
|  | DTM~307~20070601 | | Eligibility Date |
|  | NM1~MQ~3~~~~~~93~ALL | | Meter Location, Meter Number |
|  |  | REF~LO~RESHIWR\_SOUTH\_NIDR\_NWS\_NOTOU | Load Profile |
|  |  | REF~TZ~01 | Meter Cycle Number |
| SE~21~000000001 | | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Notification Request – ERCOT to Current CR

|  |  |  |  |
| --- | --- | --- | --- |
| ERCOT forwards meter exchange data the Current CR  Example includes a meter exchange to an AMS meter with remote disconnect / reconnect capabilities and a change in Load Profile as a result of the Meter Exchange  ERCOT stores the Load Profile change and forwards the information to CR | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20090701~~~200805101956534~~20 | | | Request, Unique Transaction Number, Transaction Date, Original Transaction ID, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543 | | | TDSP Name and DUNS Number |
| N1~AY~ERCOT~1~183529049~~41 | | | ERCOT Name and DUNS Number, Sender |
| N1~SJ~CR NAME~1~987654321~~40 | | | CR Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Maintenance Request |
|  | ASI~7~001 | | Request to Change ESI ID Information |
|  | REF~MR~AMSR | | AMS Indicator |
|  | REF~Q5~~12345678910111231 | | ESI ID |
|  | REF~TD~REFMR | | Reason for Change, AMS Indicator |
|  | DTM~152~20120629 | | Effective Date of Change |
|  | NM1~MX~3~~~~~~32~MTR012345 | | Meter Exchange, New Meter Number |
|  |  | REF~46~MTR987654 | Old Meter Number |
|  |  | REF~LO~RESLOWR\_WEST\_IDR\_WS\_NOTOU | Load Profile |
|  |  | REF~MT~KHMON | Meter Type |
|  |  | REF~Q2~0~KHMON~TU>51 | Start Meter Read |
|  |  | REF~Q3~6896~KHMON~TU>51 | End Meter Read |
|  |  | REF~4P~1~KHMON~TU>51 | Meter Multiplier, Total |
|  |  | REF~IX~5~KHMON~TU>51 | Number of Dials, Total |
|  |  | REF~TD~REFLO | Reason for Change, Load Profile |
| SE~21~000000001 | | | Number of Segments, Transaction SET Control Number |

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Retire ESI ID Request – TDSP to ERCOT

|  |  |  |
| --- | --- | --- |
| TDSP to ERCOT Retire an ESI ID | | |
| ST~814~000000001 | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20090212~~~~~20 | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | Termination Request |
|  | ASI~7~002 | Request to Retire ESI ID |
|  | REF~Q5~~12345678910111231 | ESI ID |
|  | DTM~197~20090102 | End Date for ESI ID |
| SE~9~000000001 | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |  |
| --- | --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Read Cycle | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Maintenance Request |
|  | ASI~7~001 | | Request to Change ESI ID Information |
|  | REF~Q5~~1234567891011123 | | ESI ID |
|  | DTM~152~20090410 | | Effective Date of Change |
|  | NM1~MQ~3~~~~~~93~ALL | | Meter Location, Meter number |
|  |  | REF~TD~REFTZ | Reason for Change, Change Meter Cycle |
|  |  | REF~TZ~11 | Meter Cycle Number |
| SE~12~000000001 | | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Notification Request – ERCOT to Current CR

|  |  |  |  |
| --- | --- | --- | --- |
| ERCOT to Current CR Change ESI ID information – Notification of a Change in Read Cycle ERCOT Forwards Change in Read Cycle to Current CR | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~200805101956534~~20 | | | Request, Unique Transaction Number, Transaction Date, Original Transaction ID, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543 | | | TDSP Name and DUNS Number |
| N1~AY~ERCOT~1~183529049~~41 | | | ERCOT Name and DUNS Number, Sender |
| N1~SJ~CR NAME~1~987654321~~40 | | | CR Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Maintenance Request |
| ASI~7~001 | | | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | | ESI ID |
|  | DTM~152~20090525 | | Effective Date of Change |
|  | NM1~MQ~3~~~~~~93~ALL | | Meter Location, Meter number |
|  |  | REF~TZ~16 | Meter Cycle Number |
|  |  | REF~TD~REFTZ | Reason for Change, Change Meter Cycle Number |
| SE~13~000000001 | | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |
| --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Special Needs Indicator Changes to No | | |
| ST~814~000000001 | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | Maintenance Request |
|  | ASI~7~001 | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | ESI ID |
|  | REF~SU~N | Special Needs Indicator |
|  | REF~TD~REFSU | Reason for Change, Change Special Needs Indicator |
|  | DTM~152~20090202 | Effective Date of Change |
| SE~11~000000001 | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |  |
| --- | --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Load Profile: No Meter Set | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~987654321~~41 | | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Maintenance Request |
|  | ASI~7~001 | | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | | ESI ID |
|  | DTM~152~20081201 | | Effective Date of Change |
|  | NM1~MQ~3~~~~~~93~NONE | | Meter Location, Meter Number |
|  |  | REF~LO~RESLOWR\_SCENT\_NIDR\_NWS\_NOTOU | Load Profile |
|  |  | REF~TD~REFLO | Reason for Change, Change Load Profile |
| SE~12~000000001 | | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |
| --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Special Needs Indicator Changes To Critical Load Public Safety Customer | | |
| ST~814~000000001 | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | Maintenance Request |
|  | ASI~7~001 | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | ESI ID |
|  | REF~SU~Y~CLP | Special Needs Indicator, Special Needs Customer Status |
|  | REF~TD~REFSU | Reason for Change, Change Special Needs Indicator |
|  | DTM~152~20090202 | Effective Date of Change |
| SE~11~000000001 | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |
| --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Special Needs Indicator Changes to Critical Care Residential Customer with Emergency Contact Information | | |
| ST~814~000000001 | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | Maintenance Request |
|  | ASI~7~001 | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | ESI ID |
|  | REF~SU~Y~CCC | Special Needs Indicator, Special Needs Customer Status |
|  | REF~TD~DTM036 | Reason for Change, Change Expiration Date |
|  | REF~TD~REFSU | Reason for Change, Change Special Needs Indicator |
|  | DTM~036~20110202 | Expiration Date |
|  | DTM~152~20090202 | Effective Date of Change |
| NM1~SC~C~~~~~~EC~SNOW, JOE RAY JR | | Special Needs Emergency Contact Name |
|  | N3~123 N MAIN STREET~ANYSTREET | Special Needs Emergency Contact Mailing Address |
|  | N4~ANYTOWN~TX~77777 | Special Needs Emergency Contact Mailing Address |
|  | PER~SP~~TE~8005551212~OT~8005551212 | Special Needs Emergency Contact Telephone Numbers |
|  | REF~TD~NM1SC | Reason for Change, Change Secondary Contact Information |
| SE~18~000000001 | | Number of Segments, Transaction SET Control Number |

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Maintain ESI ID Request – TDSP to ERCOT

|  |  |  |
| --- | --- | --- |
| TDSP to ERCOT Change ESI ID information – Special Needs Indicator Changes to Temporary Status | | |
| ST~814~000000001 | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20080510~~~~~20 | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8S~TDSP NAME~1~009876543~~41 | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | Maintenance Request |
|  | ASI~7~001 | Request to Change ESI ID Information |
|  | REF~Q5~~12345678910111231 | ESI ID |
|  | REF~SU~Y~CRCT | Special Needs Indicator, Special Needs Customer Status |
|  | REF~TD~DTM036 | Reason for Change, Change Expiration Date |
|  | REF~TD~REFSU | Reason for Change, Change Special Needs Indicator |
|  | DTM~036~20080524 | Expiration Date |
|  | DTM~152~20080510 | Effective Date of Change |
| SE~13~000000001 | | Number of Segments, Transaction SET Control Number |

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Create ESI ID Request – TDSP to ERCOT

|  |  |  |  |
| --- | --- | --- | --- |
| TDSP submits Create ESI ID Request to ERCOT and includes the Metered Service Type | | | |
| ST~814~000000001 | | | Transaction Type, Transaction SET Control Number |
| BGN~13~200805101201001~20230510~~~~~20 | | | Request, Unique Transaction Number, Transaction Date, SET Transaction Number |
| N1~8R~CUSTOMER NAME | | | Customer Name |
|  | N3~123 MAIN AVE | | Customer Service Address |
|  | N4~ANYTOWN~TX~77777~~CO~HARRIS | | Customer Service Address City, State, Zip, County |
| N1~8S~TDSP NAME~1~009876543~~41 | | | TDSP Name and DUNS Number, Sender |
| N1~AY~ERCOT~1~183529049~~40 | | | ERCOT Name and DUNS Number, Receiver |
| LIN~1~SH~EL~SH~MP | | | Creating a New ESI ID Request |
|  | ASI~7~021 | | Request to Create ESI ID |
|  | REF~AQ~A | | Distribution Loss Factor Code |
|  | REF~Q5~~12345678910111231 | | ESI ID |
|  | REF~SPL~~HIDALGO | | Substation ID |
|  | REF~SU~N | | Special Needs Indicator |
|  | REF~PTC~01 | | Premise Type |
|  | REF~SR~ERCOT | | Power Region |
|  | DTM~196~20230410 | | Start Date for ESI ID |
|  | DTM~307~20230510 | | Eligibility Date |
|  | NM1~MQ~3~~~~~~93~ALL | | Meter Location, Meter Number |
|  |  | REF~LO~RESHIWR\_SOUTH\_NIDR\_NWS\_NOTOU | Load Profile |
|  |  | REF~MSL~M01 | Metered Service Type |
|  |  | REF~TZ~01 | Meter Cycle Number |
| SE~22~000000001 | | | Number of Segments, Transaction SET Control Number |