



Standard
Electronic
Transaction

814 Enrollments

EDI Tutorial

Last Update - June 5, 2001

Electronic Data Interchange
ANSI ASC X12 Ver/Rel 004010
Texas SET - Version 1.3

ENROLLEMENTS

Trans. Set	From	To	Description
814_PA	CR	TDSP	Pilot Volunteer Request
814_PB	TDSP	CR	Pilot Volunteer Response
814_PC	CR	TDSP	Maintain Customer Info. Request
814_PD	TDSP	CR	Maintain Customer Info. Response
814_03	ERCOT	TDSP	Switch CR Notification - Request
814_04	TDSP	ERCOT	Switch CR Notification - Response
814_08	ERCOT	TDSP	Cancel Switch - Request
814_09	TDSP	ERCOT	Cancel Switch - Response
814_12	TDSP	ERCOT	Date Change - Request
814_13	TDSP	ERCOT	Date Change - Response
814_20	TDSP	ERCOT	Create/Maintain/Retire ESI ID - Request
814_21	ERCOT	TDSP	Create/Maintain/Retire ESI ID - Response
814_24	ERCOT	TDSP	Move-Out - Request
814_25	TDSP	ERCOT	Move-Out - Response
814_26	ERCOT	TDSP	Ad-Hoc Historical Usage - Request
814_27	TDSP	ERCOT	Ad-Hoc Historical Usage Accept - Response

**Pilot Volunteer - Request****Description:**

This transaction set, from the CR to the TDSP, is used to identify that a customer is requesting to participate in the Customer Choice Pilot.

Scenario:

CR → TDSP: Residential Volunteer / Pilot Participation

CR → TDSP: Verification of Signed Contract (Non-residential / Aggregator) Request

Transaction Set Example: (Bold Scenario displayed below)

ST*814*000000001:

Header identifies the transaction set (814), and Control Number

BGN*13*1234567890000*20010216***PA:**

SET Purpose (13) Request, Sender's Record ID, Transaction Date, Type of SET is (PA)

N1*8R*JOHN DOE:

Customer Name, Name

N4*75287:**

Customer Zip Code

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

TDSP, Name, DUNs Number, TDSP is the Receiver

N1*SJ*ABC COMPETITIVE RETAIL*1*00772515241:**

CR, Name, DUNs Number, CR is the Sender

LIN*1*SH*EL*SH*VL:

Volunteer expressed interest - Request

ASI*7*021:

Request, Addition – Request TXU to accept the Addition

REF*Q510443720003933539:**

Electric Service ID (ESI ID) for the Premise

SE*10*000000001:

Trailer identifies number of segments, and Control Number



Pilot Volunteer - Response

814_PB

Description:

This transaction set, from the TDSP to the CR, is used to accept or reject the volunteer transaction for a Customer.

Scenario:

TDSP → CR: Residential Volunteer / Pilot Participation Response

TDSP → CR: Verification of Signed Contract (Non-residential / Aggregator) Response

Transaction Set Example: (Bold Scenario displayed below)

ST*814*000000001:

Header identifies the transaction set (814), and Control Number

BGN*11*1234567890000*20010216***PB:**

SET Purpose (11) Response, Sender's Record ID, Transaction Date, Type of SET is (PB)

N1*8R*JOHN DOE:

Customer Name

N4*75287:**

Customer Zip Code

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

TDSP, Name, DUNs Number, TDSP is the Sender

N1*SJ*ABC COMPETITIVE RETAIL*1*00772515240:**

CR, Name, DUNs Number, CR is the Receiver

LIN*1*SH*EL*SH*VL:

Volunteer expressed interest - Response

ASI*WQ*021:

Accept, Addition – TXU Accepts the Addition

REF*1P*APV*ESI ID VOLUNTEERED BY ANOTHER CR

Status Code, Account Previously Volunteered, Description - OPTIONAL

REF*Q510443720003933539:**

Electric Service ID (ESI ID) for the Premise

SE*10*000000001:

Trailer identifies number of segments, and Control Number

CR → TDSP**Maintain Customer Information –Request****814_PC****Description:**

This transaction set, from the CR to the TDSP, is used for CR's who have chosen Option 2 and 3 concerning service orders and outages. A CR choosing Option 2 or 3 shall be required to provide TDSP with needed information to verify CR's customer's identity (name, address, and home phone number) for a particular Point of Delivery served by CR and to continually provide TDSP updates of such information.

Scenario:**CR → TDSP: Maintain Customer Information Request – Residential: All Fields**

CR → TDSP: Maintain Customer Information Request – Commercial

CR → TDSP: Maintain Customer Information Request – Industrial

Transaction Set Example: (Bold Scenario displayed below)**ST*814*000000001:***Header identifies the transaction set (814), and Control Number***BGN*13*123456789000*20010216*****PC:***SET Purpose (13) Request, Sender's Record ID, Transaction Date, Type of SET is (PC)***N1*FJ*CUSTOMER NAME:***First Contact Name - Last Name, First Name format (Per Outage Workshop Group)***PER*IC*TED WOODS*TE*8005551212*TE*8005551213:***First Contact Name and Phone Number(s)***REF*5J*219999999*TX:***Driver's License Number – REQUIRED? STILL UNDER DISCUSSION***REF*SY*123456789:***Social Security Number – REQUIRED? STILL UNDER DISCUSSION***N1*8R*CUSTOMER NAME:***First Contact Name (N1 is needed to populate the Zip Code in N403)***N4***781110001:***Customer Zip Code***N1*8S*TXU ELECTRIC COMPANY*9*1039940674000**40:***TDSP, Name, DUNs Number, TDSP is the Receiver***N1*SJ*ABC COMPETITIVE RETAIL*1*007725152**41:***CR, Name, DUNs Number, CR is the Sender*



EDI TUTORIALS

N1*VA*SECOND CONTACT NAME:

Second Contact Name - Last Name, First Name format – Required If Available

PER*IC*SECOND CONTACT NAME*TE*8005551215*TE*8005551216:

Second Contact Name and Phone Number(s)

REF*5J*112233445*TX:

Driver's License Number

REF*SY*987654321:

Social Security Number

LIN*1*SH*EL*SH*MCI:

Maintain Customer Information - Request

ASI*7*001:

Request, Change – CR Requests a Customer Information Change

REF*Q510443720003933539:**

Electric Service ID (ESI ID) for the Premise

REF*SU*N:

Life Support Indicator, NO

SE*19*00000001:

Trailer identifies number of segments, and Control Number



TDSP → CR

Maintain Customer Information - Response

814_PD

Description:

This transaction set, from the CR to the TDSP, is used to acknowledge receipt with either an “Accept or Reject” to the 814_PC Maintain Customer Information Request.

Scenario:

TDSP → CR: Maintain Customer Information “Reject” Response

TDSP → CR: Maintain Customer Information “Accept” Response

Transaction Set Example: (Bold Scenario displayed below)

ST*814*000000001:

Header identifies the transaction set (814), and Control Number

BGN*11*1234567890000*20010216*200103241234567**PD:**

SET Purpose (11) Respond, Sender’s Record ID, Transaction Date, Originator’s Record ID (BGN02 of 814_PC), Type of SET is (PD)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

TDSP, Name, DUNs Number, TDSP is the Sender

N1*SJ*ABC COMPETITIVE RETAIL*1*00772515240:**

CR, Name, DUNs Number, CR is the Receiver

LIN*1*SH*EL*SH*MCI:

Maintain Customer Information Response

ASI*U*001:

Respond, Change – CR Requests a Customer Information Change

REF*7G*A13*REJECT REASON:

Reject Reason, Other, Detailed Explanation Reject

REF*Q510443720003933539:**

Electric Service ID (ESI ID) for the Premise

SE*9*000000001:

Trailer identifies number of segments, and Control Number

**ERCOT → TDSP
814_03****Switch CR Notification - Request****Description:**

This transaction set, from the ERCOT to the TDSP, is essentially a pass through of the 814_01 information, with the addition of two data elements: (1) the TDSP associated with this Premise and (2) the available switch date.

Scenario:

ERCOT → TDSP: Normal Switch and Detail Historical Interval Usage Request – First Available Switch Date

(LIN*1*SH*EL*SH*CE*SH*HI)

Note: Other LIN Segment Scenarios:

LIN*1*SH*EL*SH*CE

Normal Switch

LIN*1*SH*EL*SH*CE*SH*SW

Switch with Off Cycle Read

LIN*1*SH*EL*SH*CE*SH*HU

Normal Switch with Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*HI

Normal Switch with Detail Historical Interval Usage Request

LIN*1*SH*EL*SH*CE*SH*SW*SH*HU

Switch with Off Cycle Read and Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*SW*SH*HI

Switch with Off Cycle Read and Detail Historical Interval Usage Request

LIN*1*SH*EL*SH*CE*SH*MVI

Move In Request

LIN*1*SH*EL*SH*CE*SH*MVI*SH*HU

Move In with Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*MVI*SH*HI

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

Transaction Set Example:**ST*814*000000003:**

Header identifies the transaction set (814), and Control Number (000000003)

BGN*13*2001040200719*20010402*200104011956531**3:**

Purpose Code (13) Request, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN02 of 814_01, 10, 16, 24), Code (3) indicating type of 814 (814_03)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (DUNS+4), TDSP DUNS+4, Code (40) indicating entity is Receiver



EDI TUTORIALS

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS), ERCOT DUNS, Code (41) indicating entity is Submitter

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*CE*SH*HI:

Normal Switch and Detail Historical Interval Usage Request (See other scenarios of LIN)

ASI*7*101:

Code (7) indicating Request, Code (101) indicating Switch CR

REF*BLT*ESP:

Code (BLT) indicating Billing Type, Code (ESP) indicating that the CR bills the customer

REF*PC*DUAL:

Code (PC) indicating Bill Calculator, Code (DUAL) indicating that each party calculates own bill under consolidated billing.

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

REF*SU*N:

Code (SU) indicating Life Support Indicator, Code (N) indicating life support is not required

DTM*656*20010415

Code indicating First Available Switch Date, Date as CCYYMMDD

SE*13*000000003:

Trailer identifies number of Segments (13), and Control Number (000000003)

TDSP → ERCOT
814_04**Switch CR Notification - Response****Description:**

This transaction set, from the TDSP to ERCOT, is used to provide the scheduled switch date that the TDSP has calculated and pertinent Customer and Premise information. If the historical usage is requested, the 867_02 will be sent. Example shows a single meter that measures Off Peak and Totalized Usage.

Scenario:**TDSP → ERCOT: TDSP Accepts Switch, Switch occurs On Cycle**

LIN*1*SH*EL*SH*CE*SH*HI

Normal Switch with Detail Historical Interval Usage Request

Note: Other LIN Segment Scenarios:

LIN*1*SH*EL*SH*CE

Normal Switch

LIN*1*SH*EL*SH*CE*SH*SW

Switch with Off Cycle Read

LIN*1*SH*EL*SH*CE*SH*HU

Normal Switch with Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*SW*SH*HU

Switch with Off Cycle Read and Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*HI

Normal Switch with Detail Historical Interval Usage Request

LIN*1*SH*EL*SH*CE*SH*SW*SH*HI

Switch with Off Cycle Read and Detail Historical Interval Usage Request

LIN*1*SH*EL*SH*CE*SH*MVI

Move In Request

LIN*1*SH*EL*SH*CE*SH*MVI*SH*HU

Move In with Historical Usage Request

LIN*1*SH*EL*SH*CE*SH*MVI*SH*HI

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

Transaction Set Example:**ST*814*00000004:**

Header identifies the transaction set (814), and Control Number (00000004)

BGN*11*2001030106*20010216*2001030105**4:**

Purpose Code (11) indicating Response, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN06 of 814_03), Code (4) indicating type of 814 (814_04)

N1*8R*JOHN DOE:

Code (8R) indicating Customer Name, Customer Name



EDI TUTORIALS

N3*ADDRESS*ADDRESS OVERFLOW:

Customer Service Address, Overflow. *If Overflow present, it must be sent.*

N4*DALLAS*TX*781110001:

City, State, Postal Code (ONLY digits)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS), ERCOT DUNS, Code (40) indicating entity is Receiver

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*CE*SH*HI:

Normal Switch with Detail Historical Interval Usage Request – Echo LIN from 814_03

ASI*WQ*101:

Code (WQ) indicating Accept, Code (101) indicating Switch CR Notification

REF*1P*HUU*HISTORICAL USAGE UNAVAILABLE:

Code (1P) indicating additional status information for the accept, Reason Code (HUU) indicating historical usage unavailable, Additional Description for Reason Code.

REF*AQ*T:

Code (AQ) indicating Distribution Loss Factor, Distribution Loss Factor Code (T) indicating Transmission Only.

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

REF*SPLWACO SUBSTATION:**

Code (SPL) indicating Standard Point Location Code (SPLC) to follow, Station Name

REF*SU*N:

Code (SU) indicating Life Support Indicator, Code (N) indicating life support is required

DTM*150*200110426:

Code (150) indicating Service Period Start Date, Date as CCYYMMDD

NM1*MQ*3***32*GE12345678:**

Code (MQ) indicating Metering Location, Code (3) indicating Unknown, Code (32) indicating Meter Number, Meter Number (Caps and Digits)

REF*4P*1*KHMON*TU*41:

Code (4P) indicating Meter Multiplier, Multiplier, Meter Type – (kWh), Code (TU) indicating Time of Use, Code (41) indicating Off Peak

REF*4P*1*KHMON*TU*42:

Code (4P) indicating Meter Multiplier, Multiplier, Meter Type – (kWh), Code (TU) indicating Time of Use, Code (42) indicating On Peak

REF*4P*1*K1MON*TU*51:

Code (4P) indicating Meter Multiplier, Multiplier, Meter Type – Kilowatt Demand (kW), Code (TU) indicating Time of Use, Code (51) indicating Totalizer/Total/Max (Demand)

REF*IX*5.1*KHMON*TU*41:

Code (IX) indicating Number of Dials, Dials, Meter Type – (kWh), Code (TU) indicating Time of Use, Code (41) indicating Off Peak

REF*IX*5.1*KHMON*TU*42:

Code (IX) indicating Number of Dials, Dials, Meter Type – (kWh), Code (TU) indicating Time of Use, Code (42) indicating On Peak

REF*IX*6.0*K1MON*TU*51:

Code (IX) indicating Number of Dials, Dials, Meter Type – Kilowatt Demand (kW), Code (TU) indicating Time of Use, Code (51) indicating Totalizer/Total/Max (Demand)

REF*LO*GS:

Code (LO) indicating Load Profile, Load Profile Code

REF*MT*COMBO:

Code (MT) indicating Meter Type, Code (COMBO) indicating multiple Meter Types

REF*NH*R-1:

Code (NH) indicating TDSP Rate Class or Tariff, TDSP Rate Class or Tariff identifier

REF*PR*RTU:

Code (PR) indicating TDSP Rate Subclass, TDSP Rate Subclass identifier

REF*TZ*15:

Code (TZ) indicating Meter Read Cycle, Meter Reading Cycle Number

SE*29*00000004:

Trailer identifies number of segments (29), and Control Number (00000004)

**ERCOT → TDSP****Cancel Switch - Request****814_08****Description:**

This transaction set, from ERCOT to the TDSP, is used to notify the TDSP that the Switch to a New CR was Canceled, Reinstating the customer with the Current CR. Other scenarios for this transaction are, canceling a Drop to POLR, reinstating a customer to the Current CR of record when the Switch, Move-In or Move-Out, has been cancelled by the Customer.

Scenario:**ERCOT → TDSP: Cancel Switch Request, Reinstatement Customer to Current CR****Transaction Set Example:****ST*814*000000008:**

Header identifies the transaction set (814), and Control Number (000000008)

BGN*13*2001030106*20010216*2001030105**8:**

Purpose Code (13) indicating Request, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN02 of 814_01,10, or 24), Code (8) indicating type of 814 (814_08)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (1 for DUNS), TDSP DUNS+4, Code (40) indicating entity is Receiver

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS), ERCOT DUNS, Code (41) indicating entity is Submitter

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*CE:

Normal Switch - Request

ASI*7*024:

Code (7) indicating Request, Code (024) indicating Drop (Rescind/Reinstatement to Current CR)

REF*1P*EB3*CUSTOMER RESCINDED:

Code (1P) indicating additional status information for the request, Reason Code (EB3) indicating Customer Rescinded, Explanation for Reason Code.

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise



EDI TUTORIALS

SE*10*00000008:

Trailer identifies number of segments (10), and Control Number (000000008)

Cancel Switch - Response**Description:**

This transaction set, from the TDSP to ERCOT, is used to “Accept” or “Reject” the 814_08 Cancel Switch Request and return the Premise to the prior CR of record.

Scenario:

TDSP → ERCOT: Cancel Switch – Response “Accept”

Transaction Set Example:**ST*814*000000009:**

Header identifies the transaction set (814), and Control Number (000000009)

BGN*11*200104042300005*20010404*200104011956531**9:**

Purpose Code (11) indicating Response, Originator’s Record ID, Transaction Creation Date, Request Originator’s Record ID (BGN06 of 814_08), Code (9) indicating type of 814 (814_09)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (40) indicating entity is Receiver

LIN*1*SH*EL*SH*CE:

Normal Switch - Response

ASI*WQ*024:

Code (WQ) indicating Accept, Code (024) indicating Drop (Rescind/Reinstatement)

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*8*000000009:

Trailer identifies number of segments (8), and Control Number (000000009)



**ERCOT → TDSP
814_12**

Date Change - Request

Description:

This transaction set, from the ERCOT to TDSP, is used for notification of a Move-In or Move-Out date.

Scenario:

ERCOT → TDSP: Customer Requests Change to Move-In or Move-Out Date

Transaction Set Example:

ST*814*000000012:

Header identifies the transaction set (814), and Control Number (000000012)

BGN*13*2001030106555*20010216*2001030105456**12:**

Purpose Code (13) indicating Request, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN02 of 814_16, 24, or 10), Code (12) indicating type of 814 (814_12)

N1*8R*JOHN DOE:

Code (8R) indicating Customer Name, Customer Name

N4* * *781110001:

Postal Code (ONLY digits)

N1*8S* TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS or DUNS+4, Code (40) indicating entity is Receiver

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS), ERCOT DUNS, Code (41) indicating entity is Submitter

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, ID code qualifier (1 for DUNS), CR's DUNS

LIN*1*SH*EL*SH*CE:

Normal Switch - Request

ASI*7*001:

Code (7) indicating Request, Code (001) indicating Change

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise



EDI TUTORIALS

REF*TD*DTM375:

Code (TD) indicating Change Reason Code to follow, Reason Code (DTM375) indicating Change Move-In Date

DTM*375*200110426:

Code (375) indicating Move-In Date, Date as CCYYMMDD

SE*13*00000012:

Trailer identifies number of segments (13), and Control Number (00000012)

TDSP → ERCOT**Date Change – Response****814_13****Description:**

This transaction set, from the TDSP to ERCOT, is used to acknowledge the requested date change to the original Move-In Move-Out date on the 814_12 Date Change Request.

Scenario:

TDSP → ERCOT: TDSP Acknowledges change of the effective service end date resulting from the original move-in date change requested in the 814_12.

Transaction Set Example:**ST*814*000000013:**

Header identifies the transaction set (814), and Control Number (000000013)

BGN*11*2001030106555*20010216*2001030105456**13:**

Purpose Code (11) indicating Response, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN06 of 814_12), Code (13) indicating type of 814 (814_13)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS), ERCOT DUNS, Code (40) indicating entity is Receiver

LIN*1*SH*EL*SH*CE:

Normal Switch - Response

ASI*WQ*001:

Code (WQ) indicating Accept, Code (001) indicating Change

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*8*000000013:

Trailer identifies number of segments (8), and Control Number (000000013)



Create/Maintain/Retire ESI ID Request

Description: This transaction set, from the TDSP to ERCOT, is used to initially populate the registration system for conversion/opt-in. The 814_20 is also used to communicate the addition of a new ESI ID, changes to information associated with an existing ESI ID, or retirement of an existing ESI ID.

Scenario:

TDSP → ERCOT: Create ESI ID Request for Conversion/Opt-In

Transaction Set Example:

ST*814*000000020:

Header identifies the transaction set (814), and Control Number (000000020)

BGN*13*2001030106555*20010216***20:**

Purpose Code (13) indicating Request, Originator's Record ID, Transaction Creation Date, Code (20) indicating type of 814 (814_20)

N1*8R*JOHN DOE:

Code (8R) indicating Customer Name, Customer Name

N3*ADDRESS*ADDRESS OVERFLOW:

Customer Service Address, Overflow. If Overflow present, it must be sent.

N4*DALLAS*TX*781110001:

City, State, Postal Code (ONLY digits and CAPS)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (40) indicating entity is Receiver

LIN*1*SH*EL*SH*MP:

Establishment, Maintenance, and Termination of premise (ESI_ID) - Request

ASI*7*021:

Code (7) indicating Request, Code (021) indicating Addition (Create ESI_ID)

REF*AQ*T:

Code (AQ) indicating Distribution Loss Factor Code to follow, Code (T) Transmission



EDI TUTORIALS

REF*KK*Y:

Code (KK) indicating Wholesale Delivery Point Indicator to follow, Code (Y) Yes - indicates that the ESI ID is a wholesale delivery point

REF*PTC*01:

Code (PTC) indicating Type of customer for this Premise to follow, Code (01) Residential

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

REF*SPLWACO SUBSTATION:**

Code (SPL) indicating Substation at which the TDSP's distribution system is connected to the grid for the Service Delivery Point (SDP), name of ERCOT defined Station ID.

REF*SR*ERCOT:

Code (SR) indicating Service Relationship to follow, Reference ID - ERCOT

DTM*196*20010303:

Code (196) indicating Start Date for ESI_ID, expressed as CCYYMMDD

DTM*307*20010402:

Code (307) indicating Date ESI_ID is eligible for participation in the Market Pilot and/or Opt In, expressed as CCYYMMDD

NM1*MQ*3***93*ALL:**

Code (MQ) indicating Metering Location, Code (3) indicating Unknown, Code (93) indicating Meter Number is not provided or unmetered, Code (ALL) indicates All meters

REF*LO*RESIDENTIAL TOU:

Code (LO) indicating Load Profile to follow, Type of Load Profile

REF*TZ*15:

Code (TZ) indicating Cycle Number when read meter, Meter Read Cycle number

SE*21*000000020:

Trailer identifies number of segments (21), and Control Number (000000020)

ERCOT → TDSP**Create/Maintain/Retire ESI ID Response****814_21****Description:**

This transaction set, from the ERCOT to TDSP, is used to acknowledge receipt of the 814_20 Create/Maintain/Retire ESI ID Request from TDSP to ERCOT.

Scenario:**ERCOT → TDSP: Create ESI ID Request is Accepted****Transaction Set Example:****ST*814*000000021:**

Header identifies the transaction set (814), and Control Number (000000021)

BGN*11*2001030106555*20010216*2001030100000001**21:**

Purpose Code (11) indicating Response, Originator's Record ID, Transaction Creation Date, Request Originator's Record ID (BGN02 of 814_20), Code (21) indicating type of 814 (814_21)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as a TDSP, Name, ID code qualifier (9 for DUNS+4), TDSP DUNS+4, Code (40) indicating entity is Receiver

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, ID code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (41) indicating entity is Submitter

LIN*1*SH*EL*SH*MP:

Establishment, Maintenance, and Termination of premise (ESI_ID) - Response

ASI*WQ*021:

Code (WQ) indicating Accept, Code (021) indicating Addition

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*8*000000021:

Trailer identifies number of segments (8), and Control Number (000000021)

ERCOT → TDSP**Move Out Request****814_24****Description:**

This transaction set, from ERCOT to the TDSP, is a pass through of the Customer's Move-Out Request from the CR to ERCOT.

Scenario:**ERCOT → TDSP: Customer Move-Out Request****Transaction Set Example:****ST*814*000000024:**

Header identifies the transaction set (814), and Control Number (000000024)

BGN*13*2001030106*20010216*2001030105**24:**

SET Purpose (13) Request, Submitter's Record ID, Transaction Date, Originator's Record Id of (BGN02 of 814_24 when ERCOT forwards Request), Type of SET is (814_24)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as TDSP, Name, code qualifier (1 for DUNS, 9 for DUNS+4), TDSP's DUNS or DUNS+4, Code (40) indicating entity is Receiver

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (41) indicating entity is Submitter

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*CE*SH*MVO:

Customer Move-Out

ASI*7*002:

Request, Drop

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

DTM*376*20010228

Code (376) indicating Move-Out Date, CCYYMMDD

SE*10*000000024:

Trailer identifies number of segments (12), and Control Number (000000024)

TDSP → ERCOT**Move Out Response****814_25****Description:**

This transaction set, from the TDSP to ERCOT, is used to acknowledge, Response, the receipt of the 814_24 Move-Out Request.

Scenario:**TDSP → ERCOT: Move-Out Response – Accept****Transaction Set Example:****ST*814*000000025:**

Header identifies the transaction set (814), and Control Number (000000025)

BGN*11*2001030106*20010216*2001030105**25:**

SET Purpose (11) Response, Submitter's Record ID, Transaction Date, Originator's Record ID (BGN02 of 814_24), Type of SET is (814_25)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as TDSP, Name, code qualifier (1 for DUNS, 9 for DUNS+4), TDSP's DUNS or DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (40) indicating entity is Receiver

LIN*1*SH*EL*SH*CE*SH*MVO:

Customer Move-Out

ASI*WQ*002:

Accept, Drop

REF*1P*A13*ADDITIONAL REASON TEXT HERE:

Code (1P) used on the Response when the Request is accepted, and additional status information must be provided

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*8*000000025:

Trailer identifies number of segments (8), and Control Number (000000025)



Ad-Hoc Historical Usage Request

Description:

This transaction set, from the ERCOT to the TDSP, is a pass through of the CR's 814_26 Ad-hoc Historical Usage Request.

Scenario:

ERCOT → TDSP: Request Historical Summarized Usage– (Interval Summary or Interval Detail)

Transaction Set Example:

ST*814*000000026:

Header identifies the transaction set (814), and Control Number (000000026)

BGN*13*20010304123*20010216*20010303123**26:**

SET Purpose (13) Request, Submitter's Record ID, Transaction Date, Originator's Record ID (BGN02 of 814_26 of CR to ERCOT Request), Type of SET is (814_26)

N1*8R*CUSTOMER NAME:

Customer Name (8R), Name

N4*781110001:**

Postal Code (ONLY Digits)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400040:**

Code (8S) indicating entity as TDSP, Name, code qualifier (1 for DUNS, 9 for DUNS+4), TDSP's DUNS or DUNS+4, Code (40) indicating entity is Receiver

N1*AY*ERCOT*1*18352904941:**

Code (AY) indicating entity as ERCOT, Name, code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (41) indicating entity is Submitter

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*HU:

Historical Summarized Usage at the Meter Level - Request

ASI*7*029:

Request, Inquiry – ERCOT forwards CR's Request Inquiry of Historical Data to TDSP

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*11*000000026:



EDI TUTORIALS

Trailer identifies number of segments (11), and Control Number (000000026)



Ad-Hoc Historical Usage Accept Response

Description:

This transaction set, from the TDSP to ERCOT, is a pass through of the TDSP's response.

Scenario:

TDSP → ERCOT: Response Historical Summarized Usage (HI) – (Interval Summary or Interval detail) - Accept

Transaction Set Example:

ST*814*000000027:

Header identifies the transaction set (814), and Control Number (000000027)

BGN*11*20010304124*20010216*20010304123**27:**

SET Purpose (11) Response, Submitter's Record ID, Transaction Date, Originator's Record ID (BGN02 of 814_26), Type of SET is (814_27)

N1*8S*TXU ELECTRIC COMPANY*9*103994067400041:**

Code (8S) indicating entity as TDSP, Name, code qualifier (1 for DUNS, 9 for DUNS+4), TDSP's DUNS or DUNS+4, Code (41) indicating entity is Submitter

N1*AY*ERCOT*1*18352904940:**

Code (AY) indicating entity as ERCOT, Name, code qualifier (1 for DUNS, 9 for DUNS+4), ERCOT DUNS or DUNS+4, Code (40) indicating entity is Receiver

N1*SJ*COMPETITIVE RETAILER*1*007725152:

Code (SJ) indicating entity as CR, Name, code qualifier (1 for DUNS, 9 for DUNS+4), CR's DUNS or DUNS+4

LIN*1*SH*EL*SH*HU:

Historical Summarized Usage for Premise - Response

ASI*WQ*029:

Accept, Inquiry – TDSP Accepts CR's Request Inquiry of Historical Data

REF*Q510443720003933539:**

Code (Q5) indicating Electric Service Identifier (ESI ID) to follow, ESI ID for premise

SE*10*000000027:

Trailer identifies number of segments (10), and Control Number (000000027)