**Texas**

**Standard**

**Electronic**

**Transaction**

**650\_02:**

##### Service Order Response

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 650

**Texas 650\_02:**

Service Order Response

This transaction set, from the Transmission Distribution Service Provider (TDSP) to the Competitive Retailer (CR) via point to point Protocol, and is used to send a Completed, Complete Unexecutable, Reject Response or Notification of Permit Required response to the original Service Order.

Notes:

* For every 650\_01 Request there will be a 650\_02 Response.

Document Flow:

* TDSP 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 |
| January 17, 2001  Version 1.0 |  | Initial Release |
|  |  |  |
| March 27, 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 the gray box in the REF (Purpose Code) to BGN07 = KH and BGN07 = IN from BGN07 = RH and BGN07 = TE |
|  |  | * Added two codes to REF~1P Status Reason Codes to identify no charge and partial charge for reconnect before disconnect could be worked |
|  |  | * Corrected Meter Number segment to state that only one meter number may be provided per HL Loop. Also changed requirements to match the HL page. |
|  |  | * Changed Life Support Indicator to appear similar to other Texas SET transactions |
|  |  | * Corrected Example #2: REF~8X to MT001 and Example #3: changed CR to POLR |
|  |  |  |
| July 27, 2001  Version 1.4 |  | The following changes were made:   * Combined the 650\_02 and the 650\_03 * Modified title of document * Renumbered examples from the 650\_03 as a result of combining the 650\_02 & 650\_ 03 * Added the “Permit Required” functionality * Added new example for Permit Required   Change Control 2001-152:   * Added language to the HL Parent Loop: “For an ESI ID with multiple meters the CR will generate a service order request for each meter affected.” Multiple meters at an ESI ID requires multiple service orders.” * Removed the second example in the HL Parent Loop (Service Order Level Information):HL~1~EV~1 * Modified the following text in the HL01 gray box to “This unique number will be used to identify the HL loop. One parent loop (Service Order Level Information) per transaction”. * Modified HL04. Changed gray box “Indicates one hierarchical loop will be provided”. Changed gray box language for code “0” to “Service order applies to one meter affected at the ESI ID.” Removed code “1” and the gray box. * Removed the “HL Hierarchical Level (Meter Level Information) segment. * Modified REF (Meter Number). * Changed the gray box from: “HL Child Loop (Meter Level Information)” to “HL Parent Loop (Service Order Level Information)” * Removed from the gray box “This segment may not be repeated, there must be one HL child loop for each meter. * Changed the gray box sentence: “ Meter Number is required on the following service orders if the work is to be performed for a specific meter on a multi-meter installation:” to “Required: “ Meter Number is required for the following service order types.” * Modified the gray box language in the “REF (TDSP Service Order Number)” ; Removed “Required - However, the TDSP Service Order Number may appear in either the Parent HL Loop (Service Order Level Information) or the HL Child Loop (Meter Level Information). The decision will be based on whether one or more TDSP service orders are generated as a result of the 650\_01 Request.”; Added “Required:” ; Removed “ This segment may be repeated as often as necessary to provide all TDSP Service Order Numbers.” |
|  |  | * Removed from the “DTM (Actual Complete Date/Time) the following gray box language “The Actual Complete Date/Time may appear in either the HL Parent Loop (Service Order Level Information) or the HL Child Loop (Meter Level Information). The decision will be based on whether one or more TDSP service orders are generated as a result of the 650\_01 Request.”; Added Required: * Modified the gray box language in the “MTX (Comments)” from “Required if comments add value to the Service Order - However, the Comments may appear in either the HL Parent Loop (Service Order Level Information) or the HL Child Loop (Meter Level Information)” to “Required if comments add value to the Service Order”. * Removed “DTM (Actual Complete Date/Time)” segment in the HL Child Loop (Meter Level Information) * Modified gray box language in the DTM (Meter Read Date) from “HL Child Loop (Meter Level Information)” to the HL Parent Loop (Service Order Level Information). * Modified gray box language in the DTM (Meter Test Date) from “HL Child Loop (Meter Level Information)” to the HL Parent Loop (Service Order Level Information). * Modified gray box language in the YNQ (Results: Good/Bad) from “HL Child Loop (Meter Level Information)” to the HL Parent Loop (Service Order Level Information). * Modified gray box language in the MEA (Meter Read) From “HL Child Loop (Meter Level Information)” to the HL Parent Loop (Service Order Level Information). Removed “ This segment may be repeated as often as necessary to provide all reads * Remove “MTX (Comments)” segment in the HL Child Loop (Meter Level Information) * Example #1 of 5: Renumbered to #1 of 11; Modified “HL~1~EV~1” to “HL~1~EV~0”; Removed the “HL~2~1~-EV” line; Modified “SE~16~000000001” to “SE~15~000000001”; |
|  |  | * Example #2 of 5: Renumbered to #2 of 11; Changed title from “Meter Test with Multiple Meters Request” to “Meter Test”; Removed the “HL~2~1~EV” Line; Removed the “HL~3~1~EV” Line; Modified “SE~25~000000001” to “SE~16~000000001” * Example #4 of 5: Renumbered to #4 of 11; Modified “HL~1~EV~1” to “HL~1~EV~0”; Removed the “HL~2~1~EV” Line; Modified “SE~16~000000001” to “SE~15~000000001” * Example (650\_03) #2 of 5: Renumbered to #7 of 11; Changed title from “Meter Test with Multiple Meters Request” to “Meter Test”; Removed the “HL~2~1~EV” Line; Removed the “HL~3~1~EV” Line; Modified “SE~15~000000001” to “SE~11~000000001” * Example (650\_03) #4 of 5: Renumbered to #9 of 11; Modified “HL~1~EV~1” to “HL~1~EV~0”; Removed the “HL~2~1~EV” Line; Modified “SE~12~000000001” to “SE~11~000000001” * Change Control 2001-101: * Added Purpose Codes (SL010 Street Light – Remove a Specific Lamp; GL009 Guard Light – Remove a Specific Lamp). * Added REDLINE from Change Controls: * 2001-183 * 2001-187 * 2001-218 12/05/01 * 2002-260 02/22/02 |
| June 17th, 2002  Version 1.5 |  | The following changes were made: |
|  |  | * Change Control 2001-210 – REF~7G modified gray box to allow for more than one rejection reason |
|  |  | * Change Control 2001-221 – Added new code T019 (Tampering) to REF~G7 (Complete Unexecutable) REF02 |
|  |  | * Change Control 2002-254 – Added new code to REF~8X (Purpose Codes). Added DC003 to REF02. |
|  |  | * Change Control 2002-259 – Changed Life Support Indicator to Special Needs and eliminated the “I” value. |
|  |  | * Change Control 2002-305 – Clean-up of gray box for 38 and RD codes in the BGN07. |
| 8/5/02 |  | * Change Control 2002-340 – Clarify use in the REF~SU (Special Needs) |
| 10/15/02 |  | * Change Control 2002-419 – Changed references to POLR in example 3 to AREP |
|  |  | * Change Control 2002-435 – Added code of RC001 to REF~8X |
| 6/12/03 |  | * Add Business Process Overviews to the appropriate implementation guides |
| May 29th, 2003  Version 1.6 |  | * The following changes were made |
|  |  | * Change Control 2003-506 Update gray box on the 650\_02 for the DTM~MRR segment |
| 7/18/03 |  | * Change Control 533 - In the Gray box, Add DC003 to the list of Purpose Codes where the DTM~MRR segment is required when the BGN08 = 51 |
| September 29th, 2003  Version 2.0 |  | * No Changes |
| 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.” |
| March 1, 2005  Version 2.1 |  | Change Control 2003-496:   * Provide additional detail on when the 650\_02 should be generated and how the process should work for disconnect and reconnect for non-pay.   Change Control 2003-527:   * Existing Table codes inadequate for providing CR and end use customer reasons for TDSP’s “Complete Unexecutable”   Change Control 2004-624:   * Incorporate the Business Process Overview to the 650\_02 Implementation Guide. Remove the Business Process Overview from the 650\_02 transaction.   Change Control 2004-656:   * The DNP Task Force requested that a change control be created to add reject reasons on the 650\_02 for critical care customer and critical load customer   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. * Use existing reject REF~7G segment with new code of ‘017’ represents Service Terminated because Service Provider went Out of Business. * Add new complete unexecutable code of ‘T021’ “Competitive Retailer in Default” to the REF~G7.   Change Control 2006-691:   * To support the changes in the revised Pro-Forma Retail Delivery Tariff, PUCT Project 29637. * New reason codes were added for Disconnection for Denial of Access and Reconnection following Disconnection for Denial of Access.   Change Control 2006-698:   * Gray box clarification is needed to make it clear to all Market Participants when the YNQ~Yes/No Call Ahead segment should equal Y=Yes for Customer Initiated Request. This segment should equal Y only when Retail Customer Requires Call Ahead and an appropriate Purpose Code is provided in the 650. * Several gray box clarifications and updates have been redlined in this change control. Additional purpose codes (650\_02) and the new Disconnect for Customer Request Clearance (650\_02 YNQ Segment) have been added to provide market participants more functionality in communicating Retail Customer Service Request to the TDSP. The new codes will also add clarity to the CR via the TDSPs Responses to these requests. |
| 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 2010-731:   * Update the TX SET Guides to correct spelling, grammar and punctuation. * Cleanup of gray box example for consistency. |
| June 4, 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.   Change Control 2010-751:   * Adding new codes Force Majeure Event (FME) and Weather Moratorium (WTM)   Change Control 2010-753:   * Create a new code in both the 650\_01 and 650\_02 transactions that will allow a CR to notify a TDSP when a customer has installed some type of generation equipment at the premise   Change Control 2010-754:   * Add a new code to allow a CR to notify a TDSP when a customer has an Electric Vehicle as an end-use device at a premise.   Change Control 2011-772:   * Modifications to Change Control 2010-753 to remove Electric Vehicles (which was Approved in 2010-754) from the Purpose Code and only applying the new FI012 Purpose Code to Generation devices at the premises.   Change Control 2011-777:   * Adding new codes in the REF~8X to Add Payment Plan Switch Hold and two removal codes – (1) for Switch Hold Removal due to Tampering and (1) Switch Hold Removal for Payment Plan Switch Hold at the request of the REP of Record.   Change Control 2011-782:   * **Add the “DUP” reject code to be a valid rejection reason in the 650\_02 transaction to indicate a duplicate 650\_01 was received by the TDSP. Also clarifying DC005 “Disconnect due to tampering” is really a “Disconnect for non-payment of charges associated to Tampering”.**   Change Control 2010-785:   * Adding new Rejection Reason Competing Transaction Scheduled for the Same date (TCC) * Adding new Complete Unexecutable Reason Competing Transaction Scheduled for the Same date (TCC)   Change Control 2010-790:   * Clarification on the REF~1P is required when the REF~8X is FI012 and FI013 |
| November 2, 2020  Version 4.0A |  | Change Control 2020-799:   * Clarifies the current description shown in the REF~8X~TE003 of “PCB” Purpose Code to show it as “Investigate Transformer Leaking” in the 650\_01 and 650\_02   Change Control 2020-806:   * Sync the Texas SET Implementation Guides with ERCOT Protocols in the way the Muni-Coop is abbreviated.   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 |

**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.

650 Maintenance Service Order

ANSI ASC X12 Structure

**Functional Group ID=MO**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes then data contents of the Maintenance Service Order Transaction Set (650) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides a uniform, singular medium for the exchange of maintenance related information among organizations involved in the reporting, requesting, scheduling, planning, estimating, coordinating and performing of maintenance actions. It provides the structure to convey maintenance-related information, including maintenance action directives, maintenance actions, cost estimates, maintenance action assignments, maintenance action status, and completion reports. This transaction set can be used in a bi-directional environment alone or in conjunction with the Project Schedule Reporting Transaction Set (806) to link schedule and maintenance action information as well as with the Specifications/Technical Information Transaction Set (841) to link maintenance-related, media independent, technical data.

**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 |  |  |  |  |  |  |  |
|  | 050 | N1 | Name | O | 1 |  | n1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Detail:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - HL |  |  | >1 |  |  |  |  |  |  |  |
| M | 010 | HL | Hierarchical Level | M | 1 |  | n2 |  |  |  |  |  |  |
|  | 030 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  | 050 | DTM | Date/Time Reference | O | >1 |  |  |  |  |  |  |  |  |
|  | 070 | YNQ | Yes/No Question | O | >1 |  | n3 |  |  |  |  |  |  |
|  | 100 | MEA | Measurements | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - MTX |  |  | >1 |  |  |  |  |  |  |  |
|  | 250 | MTX | Text | O | 1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M | 290 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes**

**1.** The N1 segment identifies the organization originating and receiving the transaction set.

**2.** The HL levels are group work candidate and work candidate. Valid HL parent-child relationships are 1) group work candidate-group work candidate and 2) group work candidate-work candidate.

**3.** The YNQ segment identifies conditions related to a maintenance or repair requirement.

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~650~000000001 |

**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 | | | | | | |
|  | | | | 650 |  | Maintenance Service Order | | | |
| **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~11~200106021954582~20010602~~~200105301864444~79~51 |

**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 BGN02 from the 650\_01 to which the 650\_02 applies, creating a one-to-one relationship between the 650\_01 and 650\_02 transactions.  Examples:  Service Order Request followed by Update Service Order Request  650\_01 DC002 BGN02 ABC (CR to TDSP original)  650\_01 DC002 BGN02 DEF, BGN06 ABC (CR to TDSP update)  650\_02 DC002 BGN06 DEF (TDSP to CR update response)  650\_02 DC002 BGN06 ABC (TDSP to CR original response)  Service Order Request followed by Service Order Cancel  650\_01 RD002 BGN02 ABC (CR to TDSP original)  650\_01 RD002 BGN02 DEF, BGN06 ABC (CR to TDSP cancel)  650\_02 RD002 BGN06 DEF (TDSP to CR cancel response)  650\_02 RD002 BGN06 ABC (TDSP to CR original response)  Service Order Disconnect/Reconnect for Non-Pay  650\_01 DC001 BGN02 ABC (CR to TDSP disconnect request)  650\_02 DC001 BGN06 ABC (TDSP to CR disconnect response)  650\_01 RC001 BGN02 DEF, BGN06 ABC (CR to TDSP reconnect request)  650\_02 RC001 BGN06 DEF (TDSP to CR reconnect response) | | | | | | | |
| **Must Use** | **BGN07** | **640** | **Transaction Type Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code specifying the type of transaction | | | | | | | |
|  | | | | 13 |  | Maintenance Request | | | | |
|  | | | | | | Meter Maintenance | | | |
|  | | | | 38 |  | Test | | | | |
|  | | | | | | Meter Test | | | |
|  | | | | 72 |  | Termination | | | | |
|  | | | | | | Disconnect | | | |
|  | | | | 79 |  | Continuation | | | | |
|  | | | | | | Reconnect | | | |
|  | | | | AN |  | Material Obligation Inquiry | | | | |
|  | | | | | | Lighting | | | |
|  | | | | IN |  | Inquiry | | | | |
|  | | | | | | Technical/Environmental | | | |
|  | | | | KH |  | Change Order | | | | |
|  | | | | | | Meter Exchange | | | |
|  | | | | RD |  | Returns Detail | | | | |
|  | | | | | | Read (Out of Cycle) | | | |
|  | | | | SH |  | Shipment Status Notification | | | | |
|  | | | | | | Switch Hold Indicator | | | |
|  | | | | XZ |  | Facility Confirmation | | | | |
|  | | | | | | Facilities Investigation  The TDSP will not complete the order until it has done everything within its business processes to meet the requirements of the original service order. | | | |
| **Must Use** | **BGN08** | **306** | **Action Code** | | | | **O** |  | **ID 1/2** | | |
|  | | | Code indicating type of action | | | | | | | |
|  | | | | 9 |  | Not Capable of Taking Action | | | | |
|  | | | | | | Complete Unexecutable  1. TDSP unable to complete order  2. RC001 received while DC001 pending neither completed.  3. Service Order Cancel Received while Service Order Original Request still pending | | | |
|  | | | | 51 |  | Complete | | | | |
|  | | | | | | This code will be used to indicate that the Service Order is completed | | | |
|  | | | | PT |  | Proposal Trace | | | | |
|  | | | | | | Permit Required  This code will only be used in response to an original service order request  The code can only be used if the BGN06 cross references an original service order request  When the TDSP responds on the 650\_02 with BGN08 = PT to the CR the BPI is closed. | | | |
|  | | | | U |  | Reject | | | | |
|  | | | | | | This code will be used to reject the transaction cross referenced in the BGN06.  This code can be used to reject an original service order request, a change request, or a cancel request.  If the CR submits a change request or a cancel request to the original service order and the original service order was started or completed, the TDSP will respond to a change request or cancel request with a reject. For this scenario a Rejection Reason of Work in Progress or Completed (REF~7G~WIP) will be included in the transaction. | | | |
|  | | | | WQ |  | Accept | | | | |
|  | | | | | | This code is used in response to a change request or a cancel request for a service order. The code is used to notify the CR that the TDSP has successfully applied the change or cancel transaction to the original service order request. | | | |

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

**Position:** 050

**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 NAME~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 (Competitive Retailer)**

**Position:** 050

**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~9~007909411ESP1~~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 | | | | | | | |
|  | | | | 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 | | | | | | | |
| **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: HL Hierarchical Level (Service Order Level Information)**

**Position:** 010

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

**Syntax Notes:**

**Semantic Notes:**

**Comments:** **1** The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.

The HL segment defines a top-down/left-right ordered structure.

**2** HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | HL Parent Loop (Service Order Level Information)  Required  For an ESI ID with multiple meters the CR will generate a service order request for each meter affected. "Multiple meters at an ESI ID require multiple service orders". |
|  |  | HL~1~~EV~0 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **HL01** | **628** | **Hierarchical ID Number** | | | | **M** |  | **AN 1/12** | | |
|  | | | A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | | | | | | | |
|  | | | This unique number will be used to identify the HL Loop. One parent loop (Service Order Level Information) per transaction. | | | | | | | |
|  | | | | 1 |  | Parent HL Loop - Service Order Level Information | | | | |
| **Must Use** | **HL03** | **735** | **Hierarchical Level Code** | | | | **M** |  | **ID 1/2** | | |
|  | | | Code defining the characteristic of a level in a hierarchical structure | | | | | | | |
|  | | | | EV |  | Event | | | | |
|  | | | | | | Other type of action or report | | | |
| **Must Use** | **HL04** | **736** | **Hierarchical Child Code** | | | | **O** |  | **ID 1/1** | | |
|  | | | Code indicating if there are hierarchical child data segments subordinate to the level being described | | | | | | | |
|  | | | Indicates one hierarchical loop will be provided. | | | | | | | |
|  | | | | 0 |  | No Subordinate HL Segment in This Hierarchical Structure. | | | | |
|  | | | | | | Service Order applies to one meter affected at the ESI ID. | | | |

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

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Required when completed (BGN08 = 51) and Purpose Code is equal to one of the following Service Order Types:  Technical/Environmental (TE001 - TE011): Required  Facilities Investigation (FI001 - FI013): Required  Reconnect associated with a Disconnect for Non-Pay: Optional if No Field Action Taken  All others: Not Used |
|  |  | REF~1P~FUP~ADDITIONAL EXPLANATION |

**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 | | | | | | | |
|  | | | | FUP |  | Follow Up | | | | |
|  | | | | NAC |  | No Activity Required | | | | |
|  | | | | NFF |  | No Field Action Taken - Reconnect Received No Person Dispatched/Scheduled No Fee | | | | |
|  | | | | | | Used on the completed service order sent back to the CR from the TDSP to let the CR know that the Reconnect for Non-Pay was received before the Disconnect for Non-Pay could be worked and there is no fee associated because no one was dispatched and/or scheduled. | | | |
|  | | | | NFP |  | No Field Action Taken - Reconnect Received but Person Dispatched/Scheduled Fee Associated | | | | |
|  | | | | | | Used on the completed service order sent back to the CR from the TDSP to let the CR know that the Reconnect for Non-Pay was received before the Disconnect for Non-Pay could be worked but there is a fee associated because someone was dispatched and/or scheduled. | | | |
|  | **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 status reason code sent in REF02. | | | | | | | |

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

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | If the TDSP rejects the 650\_01 Request it must use the 650\_02 Response using the valid reject reasons listed in REF~7G of the Implementation Guide.  More than 1 rejection reason code may be sent, by repeating the REF~7G segment.  Required when rejected (BNG08 = U), otherwise not used. |
|  |  | REF~7G~ANM  REF~7G~008  REF~7G~DIV  REF~7G~D76 |

**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 | | | | |
|  | | | | 017 |  | Service Terminated because Service Provider went Out of Business | | | | |
|  | | | | | | Received initiating TX SET transaction from CR that is exiting the Market | | | |
|  | | | | 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. | | | |
|  | | | | A84 |  | Invalid Relationship | | | | |
|  | | | | | | Not CR of Record | | | |
|  | | | | ANM |  | Competitive Retailer not certified by TDSP/Clearinghouse | | | | |
|  | | | | API |  | Required information missing | | | | |
|  | | | | | | Explanation Required in REF03. | | | |
|  | | | | CCC |  | Critical Care Customer | | | | |
|  | | | | CLC |  | Critical Load Customer | | | | |
|  | | | | D76 |  | Duns Number invalid or missing | | | | |
|  | | | | DIV |  | Date invalid or not found | | | | |
|  | | | | DUP |  | Duplicate | | | | |
|  | | | | | | 650\_01 received by the TDSP contains the same BGN02, BGN06, (if applicable), and ESI-ID as another 650\_01 transaction received from the same CR | | | |
|  | | | | FME |  | Force Majeure Event | | | | |
|  | | | | G90 |  | Service Requested Date Greater Than 90 Days in the future from current date | | | | |
|  | | | | | | Service Request Date (DTM~211) or Not Before Date/Time (DTM~843) cannot be greater than 90 days in the future from current date. | | | |
|  | | | | 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. | | | |
|  | | | | M76 |  | Meter Number invalid or not found | | | | |
|  | | | | RWD |  | Received Reconnect without Disconnect | | | | |
|  | | | | | | Not Used for a service order with Purpose Code Reconnect of Requested Suspension (REF~8X~RC003) | | | |
|  | | | | TCC |  | Competing Transaction Scheduled for the Same Date | | | | |
|  | | | | WIP |  | Work in Progress or Completed | | | | |
|  | | | | WTM |  | Weather Advisory or Moratorium | | | | |
|  | | | | ZIP |  | Invalid Zip Code | | | | |
|  | | | | | | Only applicable to the first five characters of the zip code, which are used for validation. | | | |
| **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 status reason code sent in REF02. Code "A13" and "API" requires a text explanation in this element. | | | | | | | |

**Segment: REF Reference Identification (Purpose Code)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information)  All service orders must be for known ESI IDs, including service orders for Street Lights and Guard Lights.  The following Purpose Codes can only be used when requesting the associated  Transaction Type Code as noted below:  Purpose Codes Beginning With:  DC use only when BGN07 = 72 Disconnect  FI use only when BGN07 = XZ Facilities Investigation  GL use only when BGN07 = AN Lighting  SL use only when BGN07 = AN Lighting  RC use only when BGN07 = 79 Reconnect  ME use only when BGN07 = KH Meter Exchange  MT use only when BGN07 = 38 Meter Test  MM use only when BGN07 = 13 Meter Maintenance  RD use only when BGN07 = RD Read (Out of Cycle)  SH use only when BGN07 = SH Switch Hold Indicator  TE use only when BGN07 = IN Technical Environmental |
|  |  | Required on 650\_02 Service Request |
|  |  | REF~8X~DC001 |

**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 | | | | | | | |
|  | | | | 8X |  | Transaction Category or Type | | | | |
|  | | | | | | Purpose 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 | | | | | | | |
|  | | | | DC001 |  | Disconnect for Non-Pay | | | | |
|  | | | | DC002 |  | Disconnect for Customer Requested Clearance | | | | |
|  | | | | | | Disconnect for Customer Requested Clearance (DC002) and Reconnect for Customer Requested Clearance (RC002) may be sent by the CR at the same time to allow the TDSP to appropriately schedule both Disconnect and Reconnect request. | | | |
|  | | | | DC003 |  | Remove One Specific Meter on a Multi-Meter Premise/ESI-ID. | | | | |
|  | | | | | | This can only be used to Remove One Specific Meter from a Multi-Meter Premise/ESI-ID. Not to be used for Non-Multi-Metered Premises/ESI-ID. This does not close out the Premise/ESI-ID. | | | |
|  | | | | DC004 |  | Disconnect Due to Denial of Access to the Meter | | | | |
|  | | | | | | This code authorizes the TDSP to disconnect service at any location accessible to them, which includes premium disconnect location. | | | |
|  | | | | DC005 |  | Disconnect for Non-Pay for Charges associated to Tampering | | | | |
|  | | | | | | This code authorizes the TDSP to disconnect service at any location accessible to them, which includes premium disconnect location. | | | |
|  | | | | FI001 |  | Relocation of Service/Facilities | | | | |
|  | | | | | | Used when Retail Customer is requesting relocation of Retail Customer and/or TDSP owned equipment for example service pole, drops, metering equipment (meter can, may include breaker box), weatherhead, streetlight/guard light and/or customer owned transformer. | | | |
|  | | | | FI002 |  | Customer Requesting Information Only concerning Relocation of Service/Facilities | | | | |
|  | | | | FI003 |  | Plan Review | | | | |
|  | | | | FI004 |  | Dead Animal on Facilities | | | | |
|  | | | | FI005 |  | Transformer Open | | | | |
|  | | | | FI006 |  | Fire Ants in/on TDSP owned equipment | | | | |
|  | | | | FI007 |  | Wire | | | | |
|  | | | | FI008 |  | Pole | | | | |
|  | | | | FI009 |  | Transformer | | | | |
|  | | | | FI010 |  | Crossed Meters | | | | |
|  | | | | FI011 |  | Possible Meter Damage | | | | |
|  | | | | FI012 |  | Customer inquiry or installation of some type of Generation device or equipment at the Premise | | | | |
|  | | | | | | This code is an acknowledgement only of TDSPs receipt of Customer's inquiry or installation of some type of Generation (example: wind, solar, micro-turbine, etc.) device or equipment at the premise. TDSP will use information in MTX segment received from CR to communicate directly with Customer concerning Customer's generating equipment | | | |
|  | | | | FI013 |  | Electric Vehicle | | | | |
|  | | | | | | Used when Retail Customer and / or Retail Electric Provider is requesting a load analysis of TDSP owned equipment capacity to serve Electric Vehicle that may be present at the customer premise | | | |
|  | | | | GL001 |  | Guard Light - Lights Out | | | | |
|  | | | | GL002 |  | Guard Light - Dim Light | | | | |
|  | | | | GL003 |  | Guard Light - Light Hanging | | | | |
|  | | | | GL004 |  | Guard Light - Pole Leaning | | | | |
|  | | | | GL005 |  | Guard Light - Light On All Day | | | | |
|  | | | | GL006 |  | Guard Light - Light Goes On and Off | | | | |
|  | | | | GL007 |  | Guard Light - Install Shield | | | | |
|  | | | | GL008 |  | Guard Light - Re-aim | | | | |
|  | | | | GL009 |  | Guard Light - Remove a Specific Lamp | | | | |
|  | | | | ME001 |  | Exchange with AMR (Automated Meter Read) Meter | | | | |
|  | | | | ME002 |  | Exchange with OMR (Off-site Meter Read) Meter | | | | |
|  | | | | ME003 |  | Exchange with IDR | | | | |
|  | | | | ME004 |  | Exchange with TOU | | | | |
|  | | | | ME005 |  | Exchange with Demand Meter | | | | |
|  | | | | ME006 |  | Exchange with kVAR Meter | | | | |
|  | | | | ME007 |  | Exchange with kWh Meter | | | | |
|  | | | | ME008 |  | Exchange with Electrical Pulse Metering | | | | |
|  | | | | ME009 |  | Exchange (like for like) | | | | |
|  | | | | ME010 |  | Upgrade (Demand Capacity, Scale # of Dials) | | | | |
|  | | | | | | Upgrade is an exchange of a like meter for like meter where there is a need for a change due to increased functionality or customer request. On upgrades, comments will be used for details. | | | |
|  | | | | ME011 |  | Damaged | | | | |
|  | | | | | | A damaged meter purpose code indicates that the customer knows the meter has been damaged. | | | |
|  | | | | ME012 |  | Dead Meter | | | | |
|  | | | | ME013 |  | Optional IDR Removal | | | | |
|  | | | | | | ESI ID met threshold requirement for Optional IDR Removal | | | |
|  | | | | ME014 |  | Mandatory IDR Installation | | | | |
|  | | | | | | ESI ID met threshold requirement for Mandatory IDR Installation | | | |
|  | | | | MM001 |  | Install Lock Band | | | | |
|  | | | | MM002 |  | Remove Lock Band | | | | |
|  | | | | MM003 |  | Meter Based Angle Adapter "elbow" | | | | |
|  | | | | MM004 |  | Dual Socket Adapter | | | | |
|  | | | | MM005 |  | Verify Meter Data | | | | |
|  | | | | MM006 |  | Tampering Suspected | | | | |
|  | | | | MM007 |  | Investigate or Verify Premise Type | | | | |
|  | | | | MT001 |  | Meter Test | | | | |
|  | | | | RC001 |  | Reconnect after Disconnect for Non-Pay | | | | |
|  | | | | RC002 |  | Reconnect for Customer Requested Clearance | | | | |
|  | | | | | | Disconnect for Customer Requested Clearance (DC002) and Reconnect for Customer Requested Clearance (RC002) may be sent by the CR at the same time to allow the TDSP to appropriately scheduled both Disconnect and Request. | | | |
|  | | | | RC003 |  | Reconnect of Requested Suspension | | | | |
|  | | | | | | Used by CR to Reconnect after Disconnect for Non-Pay, Reconnect for Customer Requested Clearance or for a Reconnect after a Disconnect due to Tampering when the CR did not initiate the 650\_01 Disconnect for Non-Payment or Disconnect for Customer Clearance service request | | | |
|  | | | | RC004 |  | Reconnect after Disconnect for Denial of Access | | | | |
|  | | | | RC005 |  | Reconnect after Disconnect due to Tampering | | | | |
|  | | | | RD001 |  | Special Out of Cycle Read | | | | |
|  | | | | RD002 |  | Re-Read/Potential Error | | | | |
|  | | | | SH001 |  | Add Payment Plan Switch Hold Indicator | | | | |
|  | | | | SH002 |  | Remove Payment Plan Switch Hold Indicator | | | | |
|  | | | | SH003 |  | Remove Tampering Switch Hold Indicator | | | | |
|  | | | | SL001 |  | Street Light - Lights Out | | | | |
|  | | | | SL002 |  | Street Light - Dim Light | | | | |
|  | | | | SL003 |  | Street Light - Light Hanging | | | | |
|  | | | | SL004 |  | Street Light - Pole Leaning | | | | |
|  | | | | SL005 |  | Street Light - Light On All Day | | | | |
|  | | | | SL006 |  | Street Light - Light Goes On and Off | | | | |
|  | | | | SL007 |  | Street Light - Install Shield | | | | |
|  | | | | SL008 |  | Street Light - Needs Tag | | | | |
|  | | | | SL009 |  | Street Light - Pole Paint | | | | |
|  | | | | SL010 |  | Street Light - Remove a Specific Lamp | | | | |
|  | | | | TE001 |  | Radio/TV Interference | | | | |
|  | | | | TE002 |  | EMF (Electro-Magnetic Field) | | | | |
|  | | | | TE003 |  | Investigate Transformer Leaking | | | | |
|  | | | | TE004 |  | Audible Interference | | | | |
|  | | | | TE005 |  | Power Quality | | | | |
|  | | | | TE006 |  | Tree Trimming | | | | |
|  | | | | TE007 |  | Right of Way Cut/Brush Clearing | | | | |
|  | | | | TE008 |  | Tree Removal or Cut Down Tree(s) | | | | |
|  | | | | TE009 |  | Mow Grass in Easement | | | | |
|  | | | | TE010 |  | Property Damaged by Tree Crew | | | | |
|  | | | | TE011 |  | Customer Complaint concerning Tree Crew work | | | | |

**Segment: REF Reference Identification (Complete Unexecutable Reason)**

**Position:** 030

**Loop:** HL Mandatory

**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 complete unexecutable (BGN08 = 9) otherwise not used. If codes containing "000" are used, an explanation is required in REF03. |
|  |  | REF~G7~A000~OTHER WEATHERHEAD REASON  REF~G7~B003~NONE INSTALLED |

**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 | | | | | | | |
|  | | | | G7 |  | Resubmission Reason Code | | | | |
|  | | | | | | Completed Unexecuted | | | |
| **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 | | | | | | | |
|  | | | | A000 |  | ===== WEATHERHEAD (SERVICE OUTLET) ===== | | | | |
|  | | | | A001 |  | Need Meter Loop and Outlet Installed | | | | |
|  | | | | A002 |  | Need fiber spacer for service entrance conductors | | | | |
|  | | | | A003 |  | Need weatherhead on conduit above meter base | | | | |
|  | | | | A004 |  | Fiber wire spacer protector broken in weatherhead | | | | |
|  | | | | A005 |  | Screws holding head in place broken off or threads stripped | | | | |
|  | | | | A006 |  | Exceeds 25' above finished grade | | | | |
|  | | | | A007 |  | Damaged Meter Loop | | | | |
|  | | | | A008 |  | Needs clamps at Weatherhead | | | | |
|  | | | | B000 |  | ===== POINT OF ATTACHMENT ===== | | | | |
|  | | | | B001 |  | Too close to window, door or porch, needs to be 3' away | | | | |
|  | | | | B002 |  | Point of attachment over 3' above roof without guy or bracing | | | | |
|  | | | | B003 |  | None Installed | | | | |
|  | | | | B004 |  | Drop attachment. Too far from service outlet, should be within 18" of drop | | | | |
|  | | | | B005 |  | Anchorage not sufficient to support drop cable - 300 lb pull of service drops | | | | |
|  | | | | B006 |  | Need penta or creosote treated pole, or a 4" x 6" timber for permanent service | | | | |
|  | | | | B007 |  | Temporary meter pole needs bracing to withstand 300 lb. pull of service drops | | | | |
|  | | | | B008 |  | Meter pole not set deep enough to support drops and withstand 300 lb pull of service drops | | | | |
|  | | | | B009 |  | Pole not of proper height over driveway. Need 12' vertical clearance above finished grade, over residential driveways | | | | |
|  | | | | B010 |  | Service attachment needs to be higher for driveway, alleys, roads and streets | | | | |
|  | | | | B011 |  | Unable to get drop attachment high enough to get clearance from low point of sag in service cable, over sidewalk, porch or platform | | | | |
|  | | | | B012 |  | Need bracket on the service mast for attaching service rack | | | | |
|  | | | | B013 |  | Requires secondary rack | | | | |
|  | | | | B014 |  | Exceeds service drop distance | | | | |
|  | | | | B015 |  | No Meter Pole | | | | |
|  | | | | B016 |  | Does not have 12" clearance from SWBT, Cable TV, etc. cables | | | | |
|  | | | | C000 |  | ===== LINE CONDUIT ===== | | | | |
|  | | | | C001 |  | Should not be water pipe fittings | | | | |
|  | | | | C002 |  | Water pipe not allowed for service outlet conduit | | | | |
|  | | | | C003 |  | Service outlet conduit not sufficiently clamped to building | | | | |
|  | | | | C004 |  | Two inch G.I. or I.M.C. or three inch aluminum conduit required for mast head | | | | |
|  | | | | C005 |  | Electrical junction boxes not sealable type | | | | |
|  | | | | D000 |  | ===== LINE OF CONDUCTORS ===== | | | | |
|  | | | | D001 |  | Service entrance conductors not identified | | | | |
|  | | | | D002 |  | Line wire of wrong type insulation | | | | |
|  | | | | D003 |  | Line wires too short to reach lugs in meter can | | | | |
|  | | | | D004 |  | Wires from service outlet too short for TDSP to connect drops | | | | |
|  | | | | D005 |  | No line wires in service outlet | | | | |
|  | | | | D006 |  | Bare aluminum neutral conductor in meter loop | | | | |
|  | | | | E000 |  | ===== METER BASE ===== | | | | |
|  | | | | E001 |  | Improperly mounted on pole. Too low or too high. | | | | |
|  | | | | E002 |  | Un-used holes in meter base not close up or covered | | | | |
|  | | | | E003 |  | No neutral connector in meter base | | | | |
|  | | | | E004 |  | Meter base improperly mounted. Upside down. | | | | |
|  | | | | E005 |  | Need 125 amp meter base to match customers wire size | | | | |
|  | | | | E006 |  | Need 200 amp meter base to match customers wire size | | | | |
|  | | | | E007 |  | Customer wired for current transformer installation. Refer to primary meter man. | | | | |
|  | | | | E008 |  | Foreign type of meter base, TDSP does not have equipment to fit it | | | | |
|  | | | | E009 |  | Gang type meter socket base not completely wired | | | | |
|  | | | | E010 |  | No cover on meter base | | | | |
|  | | | | E011 |  | Meter base mounted too high above finished grade ground level, should be 5' to 6' | | | | |
|  | | | | E012 |  | Residential meter socket, need commercial | | | | |
|  | | | | E013 |  | Meter socket base not level | | | | |
|  | | | | E014 |  | Ground in meter can | | | | |
|  | | | | E015 |  | Meter base needs to be replaced | | | | |
|  | | | | E016 |  | Customer not ready | | | | |
|  | | | | E017 |  | Faceplate need Tamper Proof lid | | | | |
|  | | | | F000 |  | ===== CUSTOMER'S NEUTRAL WIRE ===== | | | | |
|  | | | | F001 |  | Must be electronically continuous inside socket base | | | | |
|  | | | | F002 |  | Conductors unidentified in service entrance conductors. Must be white, bare or gray. | | | | |
|  | | | | F003 |  | All 3 phase wires must be identified | | | | |
|  | | | | F004 |  | Uninsulated aluminum conductor | | | | |
|  | | | | F005 |  | Bonding conductor for 480 volt, 3 wire service must be a minimum of #6 copper or equivalent and must be insulated | | | | |
|  | | | | G000 |  | ===== LOAD CONDUIT ===== | | | | |
|  | | | | G001 |  | Customer used water pipe nipple going to switch box. Need water tight conduit. | | | | |
|  | | | | G002 |  | No bushing on conduit from meter base. Weather proof entrance fitting. | | | | |
|  | | | | H000 |  | ===== CUSTOMER'S LOAD CONDUCTORS ====== | | | | |
|  | | | | H001 |  | Exceeds ampacity of meter socket | | | | |
|  | | | | H002 |  | Has the wrong type of insulation | | | | |
|  | | | | H003 |  | No wires in load side of meter box | | | | |
|  | | | | J000 |  | ===== SWITCH BOX ===== | | | | |
|  | | | | J001 |  | Holes in customers switch box not used or closed. Bare wires and connections exposed. | | | | |
|  | | | | J002 |  | No ground connector attached to box | | | | |
|  | | | | J003 |  | Inside main switch box mounted outside. Must have water tight connections between meter base and switch box | | | | |
|  | | | | J004 |  | No cover on breaker box. Lighted connections exposed to public. | | | | |
|  | | | | J005 |  | Load wires still energized from backfeed. | | | | |
|  | | | | J006 |  | Neutral connection must be electrically continuous and not fused | | | | |
|  | | | | J007 |  | Main switch inside premises are unable to relieve load from loop | | | | |
|  | | | | J008 |  | Need main breaker if over 6 breakers | | | | |
|  | | | | K000 |  | ===== GROUNDING ELECTRODE CONDUCTORS ===== | | | | |
|  | | | | K001 |  | Grounding electrode conductor not sized in accordance with table 250-94 of NEC | | | | |
|  | | | | K002 |  | Where used outside, aluminum or copper clad aluminum conductors shall not be installed within 18" of earth. | | | | |
|  | | | | K003 |  | Grounding electrode conductor not securely fastened to the premises below the meter can | | | | |
|  | | | | K004 |  | No grounding electrode conductor installed | | | | |
|  | | | | K005 |  | Grounding electrode conductor not attached to ground rod with approved clamp | | | | |
|  | | | | K006 |  | Has aluminum grounding electrode conductor in direct contact with a masonry or earth | | | | |
|  | | | | K007 |  | Grounding electrode conductor must go from switch box to ground rod | | | | |
|  | | | | L000 |  | ===== GROUND CONDUIT OR ARMORED CABLE ===== | | | | |
|  | | | | L001 |  | Not attached to switch box with water tight connector | | | | |
|  | | | | L002 |  | Not bonded to ground rod | | | | |
|  | | | | L003 |  | Not attached to switch box | | | | |
|  | | | | L004 |  | Not secure to building or pole | | | | |
|  | | | | M000 |  | ===== GROUND CLAMP ===== | | | | |
|  | | | | M001 |  | Unapproved ground clamp | | | | |
|  | | | | M002 |  | No ground clamp | | | | |
|  | | | | N000 |  | ===== GROUND ROD ===== | | | | |
|  | | | | N001 |  | Must be at least 3/4" galvanized pipe | | | | |
|  | | | | N002 |  | Steel rod must be 5/8" minimum diameter | | | | |
|  | | | | N003 |  | Rod or pipe must be 8' deep | | | | |
|  | | | | N004 |  | No Ground Rod | | | | |
|  | | | | P000 |  | ===== PERMITS ===== | | | | |
|  | | | | P001 |  | No permit | | | | |
|  | | | | P002 |  | Needs city inspection | | | | |
|  | | | | Q000 |  | ===== CONSTRUCTION ===== | | | | |
|  | | | | Q001 |  | TDSP construction required | | | | |
|  | | | | Q002 |  | Customer needs to meet electrician | | | | |
|  | | | | Q003 |  | Need house or apartment numbers permanently identified | | | | |
|  | | | | Q004 |  | Corrections not made from previous turndown | | | | |
|  | | | | Q005 |  | Drops would trespass other's property | | | | |
|  | | | | Q006 |  | Unable to determine meter base location | | | | |
|  | | | | Q007 |  | Customer needs to bore (driveway, sidewalk, etc....) | | | | |
|  | | | | Q008 |  | Service path obstructed (building materials, dirt, fence, etc....) | | | | |
|  | | | | Q009 |  | No equipment access (need 5' to 10' wide path) | | | | |
|  | | | | Q010 |  | Needs grade work | | | | |
|  | | | | Q011 |  | Customer owned utilities not located (water, sewer, gas, etc...) | | | | |
|  | | | | Q012 |  | Customer installed conduit insufficient, does not meet TDSP specifications | | | | |
|  | | | | R000 |  | ===== UNDERGROUND SERVICE DROPS OWNED BY CUSTOMER ===== | | | | |
|  | | | | R001 |  | Service drop not installed | | | | |
|  | | | | R002 |  | URD drops too short | | | | |
|  | | | | R003 |  | URD ditch not covered | | | | |
|  | | | | R004 |  | URD drops not run to the proper point (small notch "V" of the transformer pad) | | | | |
|  | | | | R005 |  | Wrong type of URD meter can | | | | |
|  | | | | R006 |  | Unapproved wire for underground | | | | |
|  | | | | R007 |  | URD service conductors not deep enough | | | | |
|  | | | | R008 |  | Drops need to be dug within 12" of transformer on pad. Must be clear to open transformer. | | | | |
|  | | | | R009 |  | Underground drops cut in two | | | | |
|  | | | | R010 |  | T-Saw pole not 4 feet from front of transformer on pad. Must be clear to open transformer. | | | | |
|  | | | | R011 |  | T-Saw pole not 3 feet from rear of transformer | | | | |
|  | | | | R012 |  | P.V.C. or conduit elbow not deep enough | | | | |
|  | | | | R013 |  | No P.V.C. or conduit elbow | | | | |
|  | | | | R014 |  | No line conduit installed | | | | |
|  | | | | R015 |  | Meter pole set in easement | | | | |
|  | | | | S000 |  | ===== CUT-INS/CUT-OUTS ===== | | | | |
|  | | | | S001 |  | Inside trouble on customer side | | | | |
|  | | | | S002 |  | Weatherhead pulled from house or broken | | | | |
|  | | | | S003 |  | Cannot cut-out at pole, MD, Weatherhead, or remove meter and drops | | | | |
|  | | | | T000 |  | ===== MISCELLANEOUS ===== | | | | |
|  | | | | T001 |  | Business Closed/Customer not home | | | | |
|  | | | | T002 |  | Meter inside, building locked | | | | |
|  | | | | T003 |  | Bad Dog | | | | |
|  | | | | T004 |  | High fence, locked gate | | | | |
|  | | | | T005 |  | Electrician needs to meet with TDSP meter man | | | | |
|  | | | | T006 |  | Customer needs to trim trees | | | | |
|  | | | | T007 |  | No breakers | | | | |
|  | | | | T008 |  | Customer's facilities under secondary and primary | | | | |
|  | | | | T009 |  | Meter blocked | | | | |
|  | | | | T010 |  | Meter in wall | | | | |
|  | | | | T011 |  | Voided per customer | | | | |
|  | | | | | | Cannot be used for Disconnect Non-Pay | | | |
|  | | | | T012 |  | Re-schedule per customer | | | | |
|  | | | | | | Cannot be used for Disconnect Non-Pay | | | |
|  | | | | T013 |  | Meter Damaged | | | | |
|  | | | | T014 |  | No Meter | | | | |
|  | | | | T015 |  | Muddy Road | | | | |
|  | | | | T016 |  | High Water | | | | |
|  | | | | T017 |  | Customer Requested Clearance - Unable to do work on date requested | | | | |
|  | | | | T018 |  | Other | | | | |
|  | | | | | | Requires explanation in REF03 | | | |
|  | | | | T019 |  | Tampering | | | | |
|  | | | | | | Tampering | | | |
|  | | | | T020 |  | Received service order cancel prior to working service order original. | | | | |
|  | | | | | | Code should be used to respond to the service order original. | | | |
|  | | | | T021 |  | Competitive Retailer in Default | | | | |
|  | | | | T022 |  | Force Majeure Event | | | | |
|  | | | | T025 |  | Competing Transaction Scheduled for the Same Date | | | | |
|  | | | | U000 |  | ===== UNSAFE CONDITIONS ===== | | | | |
|  | | | | U001 |  | Exposed wires | | | | |
|  | | | | U002 |  | Jumpers in breaker box | | | | |
|  | | | | U003 |  | Insects | | | | |
|  | | | | U004 |  | Excessive debris | | | | |
|  | | | | U005 |  | Irate Customer | | | | |
|  | | | | U006 |  | Backfeed on load side jaws | | | | |
|  | | | | V000 |  | ===== DISCONNECTS FOR NON-PAY ===== | | | | |
|  | | | | V001 |  | Weather Advisory or Moratorium | | | | |
|  | | | | V002 |  | Life Support/Critical Care Customer | | | | |
|  | | | | V003 |  | Disconnect Non-Pay: Unable to disconnect standard | | | | |
|  | | | | V004 |  | Disconnect Non-Pay: Work estimate required, call TDSP | | | | |
|  | | | | V005 |  | Received reconnect for non-pay or reconnect after tampering disconnect prior to working the disconnect for non-pay or disconnect due to tampering service order request. | | | | |
|  | | | | | | Code should be used to respond to both the:  1. Disconnect for non-pay and the reconnect  for non-pay original service order requests or  2. Disconnect due to tampering and reconnect  after tampering disconnect original service  order requests. | | | |
|  | | | | V006 |  | Critical Load Premise/Location | | | | |
| **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 status reason code sent in REF02. Required when REF02 = "T018" or when the code contains "000". Otherwise, optional. | | | | | | | |

**Segment: REF Reference Identification (Disconnect Location)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code is equal to the following Service Order Type:  Disconnect for Non-Pay (DC001): Required  All others: Not Used |
|  |  | REF~LW~M |

**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 | | | | | | | |
|  | | | | LW |  | Location Within Equipment | | | | |
|  | | | | | | Disconnect Location | | | |
| **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 | | | | | | | |
|  | | | | M |  | Disconnected at Meter | | | | |
|  | | | | O |  | Disconnected Other than at Meter | | | | |
|  | | | | | | Includes weatherhead, pole, CT, padmount/transformer, substation, junction box, etc. | | | |

**Segment: REF Reference Identification (Special Needs Indicator)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information)  Required when BGN08 = 51 (Complete)  Otherwise 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 customer's premise. |
|  |  | REF~SU~Y |

**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 Required | | | |
|  | | | | Y |  | Yes | | | | |
|  | | | | | | Special Needs Required | | | |

**Segment: REF Reference Identification (Meter Number)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Child Loop (Service Order Level Information)  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.  Reject (BGN08 = U): Not Used |
|  |  | Meter Number is required on the following service order types:  Disconnect for Customer Requested Clearance (DC002)  Remove One Specific Meter on a Multi-Meter Premise/ESI-ID (DC003).  Meter Exchanges (ME0xx) All  Meter Maintenance (MM0xx) All  Reconnect for Customer Requested Clearance (RC002)  Special Out of Cycle Read (RD001)  Re-Read/Potential Error (RD002)  Meter Test (MT001)    Meter Number is Not Used on all other Service Orders. |
|  |  | REF~MG~394820R |

**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 | | | | | | |
|  | | | | MG |  | Meter 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 | | | | | | |

**Segment: REF Reference Identification (TDSP Service Order Number)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information)  Service Order 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. |
|  |  | Reject (BGN08 = U): Not Used  Accept (BGN08 = WQ): Not Used  Complete Unexecutable (BGN08 = 9): Required if TDSP has generated a Service Order Number, otherwise not used.    Complete (BGN08 = 51): Required |
|  |  | REF~OW~3920001 |

**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 | | | | | | | |
|  | | | | OW |  | Service Order Number | | | | |
|  | | | | | | TDSP Service Order 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 | | | | | | | |
|  | | | TDSP Service Order Number | | | | | | | |

**Segment: REF Reference Identification (Premise Type Verification Response)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code in the REF~8X is equal to MM007 of the 650\_01 Service Request transaction:    MM007 - Investigate or Verify Premise Type |
|  |  | REF~PV~INC |

**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 | | | | | | | |
|  | | | | PV |  | Product change information number | | | | |
|  | | | | | | Premise Type Verification Response | | | |
| **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. | | | |
|  | | | | COR |  | Current Premise Type and the associated information is correct and no follow-up or changes are needed by the TDSP for this ESI ID | | | | |
|  | | | | INC |  | Current Premise Type and the associated information is incorrect, therefore TDSP will follow-up with an 814\_20 transaction with the corrections. | | | | |
| **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 status reason code sent in REF02. REF02 code "A13" requires a text explanation in this element. | | | | | | | |

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

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Reject (BGN08 = U): Required if provided on the Request  Permit Required (BGN08 = PT), Accept (BGN08 = WQ), Complete Unexecutable (BGN08 = 9) or Complete (BGN08 = 51): Required |
|  |  | 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 | | | | | | | |

**Segment: REF Reference Identification (Switch Hold Indicator Status)**

**Position:** 030

**Loop:** HL Mandatory

**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:** |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code in the REF~8X is equal to one of the following "SH001", "SH002" or "SH003" of the 650\_01 Service Request transaction:  Add Payment Plan Switch Hold Indicator (SH001) |
|  |  | Remove Payment Plan Switch Hold Indicator (SH002) |
|  |  | Remove Tampering Switch Hold Indicator (SH003)  REF~SH~APS |

**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 Status | | | |
| **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. | | | |
|  | | | | APS |  | TDSP will Add a Payment Plan Switch Hold and will also follow-up with an 814\_20 transaction | | | | |
|  | | | | DUP |  | Duplicate Request. | | | | |
|  | | | | | | Add or Removal Switch Hold was already completed for this ESI ID and 814\_20 transaction has been updated. | | | |
|  | | | | RCC |  | Request Cannot be Completed | | | | |
|  | | | | | | Explanation Required in REF03.  Some reasons for example, but this is not a complete list:  1. TDSP already completed Safety Net Move-In;  therefore all Switch Holds have already been  removed.  2. Type of Switch Hold wasn't on the ESI ID when  650\_01 Removal request was received. | | | |
|  | | | | RPS |  | TDSP will Remove the Payment Plan Switch Hold and will also follow-up with an 814\_20 transaction. | | | | |
|  | | | | RTS |  | TDSP will Remove the Tampering Switch Hold and will also follow-up with an 814\_20 transaction | | | | |
| **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 status reason code sent in REF02. REF02 code "A13" requires a text explanation in this element. | | | | | | | |

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

**Position:** 050

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete (BGN08 = 51); Required  Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used |
|  |  | DTM~243~20010601~1430 |

**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 | | | | | | |
|  | | | | 243 |  | Actual Complete | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |
|  | | | Date | | | | | | |
| **Must Use** | **DTM03** | **337** | **Time** | | | | **X** |  | **TM 4/8** | |
|  | | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | | | | | | |
|  | | | HHMM, where H = Hours (00 to 23) and M = Minutes (00 to 59) in Central Prevailing Time (CT). For this transaction, since X12 does not allow 2400 for time, 2359 will be used to indicate midnight. For example, midnight between October 15th and October 16th will be reflected as 2359 of October 15th. | | | | | | |

**Segment: DTM Date/Time Reference (Meter Read Date)**

**Position:** 050

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Meter Read Date is required on the following service order types:  Disconnect for Customer Requested Clearance (DC002)  Meter Exchanges (ME0xx) All  Meter Maintenance (MM0xx) All  Reconnect for Customer Requested Clearance (RC002)  Special Out of Cycle Read (RD001)  Re-Read/Potential Error (RD002)  Meter Test (MT001)  Meter Read Date is Not Used on all other Service Orders. |
|  |  | DTM~MRR~20010601 |

**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 | | | | | | |
|  | | | | MRR |  | Meter Reading | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

**Segment: DTM Date/Time Reference (Meter Test Date)**

**Position:** 050

**Loop:** HL Mandatory

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Complete (BGN08 = 51) and Purpose Code is equal to the following Service Order Type:  Meter Test (MT001): Required  All others: Not Used |
|  |  | DTM~853~20010531 |

**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 | | | | | | | |
|  | | | | 853 |  | Field Test | | | | |
|  | | | | | | Meter Test Date | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | | |

**Segment: YNQ Yes/No Question (Results: Good/Bad)**

**Position:** 070

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

**Syntax Notes:** **1** Only one of YNQ01 YNQ09 or YNQ10 may be present.

**2** If either YNQ03 or YNQ04 is present, then the other is required.

**3** If YNQ09 is present, then YNQ08 is required.

**Semantic Notes:** **1** YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

**2** YNQ10 contains a free-form question when codified questions are not available.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code is equal to one of the following Service Order Types:  Re-Read/Potential Error (RD002)  Meter Test (MT001)  Results are Not Used on all other Service Orders. |
|  |  | YNQ~~Y~~~~~~9~RES |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **YNQ02** | **1073** | **Yes/No Condition or Response Code** | | | | **M** |  | **ID 1/1** | | |
|  | | | Code indicating a Yes or No condition or response | | | | | | | |
|  | | | | N |  | No | | | | |
|  | | | | | | RD002: The initial meter read was not correct.  MT001: Results were bad. | | | |
|  | | | | Y |  | Yes | | | | |
|  | | | | | | RD002: The initial meter read was correct.  MT001: Results were good. | | | |
| **Must Use** | **YNQ08** | **1270** | **Code List Qualifier Code** | | | | **X** |  | **ID 1/3** | | |
|  | | | Code identifying a specific industry code list | | | | | | | |
|  | | | | 9 |  | Indicator Code | | | | |
| **Must Use** | **YNQ09** | **1271** | **Industry Code** | | | | **X** |  | **AN 1/30** | | |
|  | | | Code indicating a code from a specific industry code list | | | | | | | |
|  | | | | RES |  | Results | | | | |
|  | | | | | | Indicates whether the results of the Re-Read or the Meter Test were Good (Yes) or Bad (No) | | | |

**Segment: YNQ Yes/No Question (Results: Service Left OFF/ON)**

**Position:** 070

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

**Syntax Notes:** **1** Only one of YNQ01 YNQ09 or YNQ10 may be present.

**2** If either YNQ03 or YNQ04 is present, then the other is required.

**3** If YNQ09 is present, then YNQ08 is required.

**Semantic Notes:** **1** YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.

**2** YNQ10 contains a free-form question when codified questions are not available.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code is equal to one of the following Service Order Types:  Disconnection for Customer Request Clearance (DC002)  Reconnect for Customer Requested Clearance (RC002)  Reconnect for Customer Requested Clearance (RC003) when CR did not initiate Disconnect for Clearance Service Request (DC002)  Results are Not Used on all other Service Orders. |
|  |  | YNQ~~Y~~~~~~9~RES |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **YNQ02** | **1073** | **Yes/No Condition or Response Code** | | | | **M** |  | **ID 1/1** | | |
|  | | | Code indicating a Yes or No condition or response | | | | | | | |
|  | | | | N |  | No | | | | |
|  | | | | | | Service left OFF  DC002: Disconnect for Clearance- Service was Disconnected and Left Off Service Request Completed  RC002 or RC003: Reconnect for Clearance - Service request was not completed (i.e. due to unsafe conditions or due to Electrical Standards violation), Services were Left Off. Additional comments may be provided in the MTX~RPT Comments segment | | | |
|  | | | | Y |  | Yes | | | | |
|  | | | | | | Services left ON  DC002: Disconnect for Clearance - Service was disconnected and reconnected Services were Left On service request completed  DC002: Disconnect for Clearance was not necessary Services were Left On  RC002 or RC003: Reconnect for Clearance Service was Reconnected and Left On - Service Request Completed | | | |
| **Must Use** | **YNQ08** | **1270** | **Code List Qualifier Code** | | | | **X** |  | **ID 1/3** | | |
|  | | | Code identifying a specific industry code list | | | | | | | |
|  | | | | 9 |  | Indicator Code | | | | |
| **Must Use** | **YNQ09** | **1271** | **Industry Code** | | | | **X** |  | **AN 1/30** | | |
|  | | | Code indicating a code from a specific industry code list | | | | | | | |
|  | | | | RES |  | Results | | | | |
|  | | | | | | Indicates whether the results of the Disconnect for Clearance or the Reconnect for Clearance ESI ID Services were LEFT OFF (NO) or Service LEFT ON (YES) | | | |

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

**Position:** 100

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**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:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Complete Unexecutable (BGN08 = 9), Reject (BGN08 = U), Accept (BGN08 = WQ), or Permit Required (BGN08 = PT): Not Used  Required when Complete (BGN08 = 51) and Purpose Code is equal to one of the following Service Order Types:  Special Out of Cycle Read (RD001)  Re-Read/Potential Error (RD002)  Meter Test (MT001)  Meter Read is Not Used on all other Service Orders. |
|  |  | MEA~AF~~~KH~~10031~51 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **MEA01** | **737** | **Measurement Reference ID Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code identifying the broad category to which a measurement applies | | | | | | | |
|  | | | | AF |  | Actual Total | | | | |
| **Must Use** | **MEA04** | **C001** | **Composite Unit of Measure** | | | | **X** |  |  | | |
|  | | | To identify a composite unit of measure (See Figures Appendix for examples of use) | | | | | | | |
|  | | | This is a composite data element, please populate C00401 | | | | | | | |
| **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 | | | | | | | |
|  | | | | K1 |  | Kilowatt Demand | | | | |
|  | | | | | | kW | | | |
|  | | | | K2 |  | Kilovolt Amperes Reactive Demand | | | | |
|  | | | | | | kVAR | | | |
|  | | | | K3 |  | Kilovolt Amperes Reactive Hour | | | | |
|  | | | | | | kVARH | | | |
|  | | | | K4 |  | Kilovolt Amperes | | | | |
|  | | | | | | kVA | | | |
|  | | | | KH |  | Kilowatt Hour | | | | |
|  | | | | | | kWh | | | |
| **Must Use** | **MEA06** | **741** | **Range Maximum** | | | | **X** |  | **R 1/20** | | |
|  | | | The value specifying the maximum of the measurement range | | | | | | | |
|  | | | Meter Read | | | | | | | |
| **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 | | | | |
|  | | | | 51 |  | Total | | | | |
|  | | | | | | Total/Totalizer/Max (Demand) | | | |
|  | | | | 71 |  | Low | | | | |
|  | | | | | | Summer Super On Peak | | | |

**Segment: MTX Text (Comments)**

**Position:** 250

**Loop:** MTX Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify textual data

**Syntax Notes:** **1** If MTX01 is present, then MTX02 is required.

**2** If MTX03 is present, then MTX02 is required.

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | HL Parent Loop (Service Order Level Information) |
|  |  | Required if comments add value to the Service Order.  Reject (BGN08 = U): Not Used |
|  |  | MTX~RPT~METER BASE PULLED AWAY FROM THE STRUCTURE |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **MTX01** | **363** | **Note Reference Code** | | | | **O** |  | **ID 3/3** | |
|  | | | Code identifying the functional area or purpose for which the note applies | | | | | | |
|  | | | | RPT |  | Report Remarks | | | |
| **Must Use** | **MTX02** | **1551** | **Message Text** | | | | **X** |  | **AN 1/4096** | |
|  | | | To transmit large volumes of message text | | | | | | |
|  | | | Message Text not to exceed 4096 characters total. | | | | | | |

**Segment: SE Transaction Set Trailer**

**Position:** 290

**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~13~000000001 |

**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 | | | |