**Texas**

**Standard**

**Electronic**

**Transaction**

**810\_03:**

##### MOU/EC Invoice

Electronic Data Interchange

ANSI ASC X12 Ver/Rel 004010

Transaction Set 810

**Texas 810\_03:**

MOU/EC Invoice

This transaction set, from the CR to the Muni/Co-op (MOU/EC TDSP), is an invoice for monthly energy charges, discretionary, and service charges for the current billing period, unless otherwise indicated in Retail Market Guide 8.1. This transaction set will be preceded by an 867\_03 (Monthly Usage) to trigger the Customer billing process.

The MOU/EC TDSP shall validate or reject the 810\_03 within 48 hours of the first business day following receipt. MOU/EC TDSP will reject the 810\_03 with the 824, which will show the reject reason. Transactions that are neither validated nor rejected within 48 hours shall be deemed valid.

Document Flow:

* CR to Muni/Co-op (MOU/EC TDSP), unless otherwise indicated in Retail Market Guide 8.1

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 |
| June 07, 2002  Version 1.5 |  | Initial |
|  |  | * Added transaction for Muni/Coop invoice Ref: 2002-309 * Clean- up of transaction and examples Ref: 2002-436 |
| 6/12/03 |  | Change Control 2003-528 Add Business Process Overviews to the appropriate implementation guides |
| June 17th, 2003  Version 1.6 |  | No Changes |
| 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 2002-468:   * The entire 810\_03 Implementation Guide was reviewed for completeness, accuracy, and consistency at TX SET meeting 11/06/02.   Change Control 2004-660:   * Remove the BPO from the 810\_03 and add applicable information back into the appropriate segment gray boxes of the guide   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 2006-699:   * Updates the BIG08 ‘01’ gray box to indicate that the 810 original and 810 cancel transactions are not required to match on amount, but are still required to match on invoice number. |
| 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 2010-732:   * Remove SAC04 Codes from Implementation Guides and place them in a document that can be updated without a Guide Release |
| June 11, 2012  Version 4.0 |  | Change Control 2010-748:   * The purpose of this Change Control is to sync the names of the Texas SET Guide transactions, with the names of the transactions in Protocol and the Retail Market Guide.   Change Control 2010-749:   * Explanation of the 2 options for the REF~IK segment in the 810\_03 transaction. |
| November 2, 2020  Version 4.0A |  | 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. |
| August 1, 2023  Version 4.0A |  | Change Control 2023-841   * Update the transaction summary to support options available to MOU/EC for retail transaction processing upon entry into retail competition. |

**How to Use this Implementation Guide**

This section is used to show the **X12 Rules** for this segment. You must look further into the grayboxes below for Texas Rules.

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

**Position:** 030

**Loop:** LIN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

This section is used to show the Texas Rules for implementation of this segment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | REF~Q5~~10111111234567890ABCDEFGHIJKLMNOPQRS |

One or more examples.

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Must Use | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** |  | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | | |
|  | | | | Q5 |  | Property Control Number | | | | |
|  | | | | | | Electric Service Identifier (ESI ID) | | | |
| Must Use | **REF03** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | ESI ID | | | | | | | |

This column shows the X12 attributes for each data element.

M = Mandatory

O= Optional

X = Relational

C = Conditional

AN = Alphanumeric

N# = Implied Decimal at position #

ID = Identification

R = Real

1/30 = Minimum 1, Maximum 30

This column shows the Texas use of each data element.

These are X12 code descriptions, which often do not relate to the Texas descriptions.

X12 cannot keep up with Texas needs, thus, Texas often changes the meaning of existing codes. See the corresponding graybox for the Texas definitions.

**810 Invoice**

**ANSI ASC X12 Structure**

**Functional Group ID=IN**

**Introduction:**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

**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 | BIG | Beginning Segment for Invoice | M | 1 |  |  |  |  |  |  |  |  |
|  | 030 | NTE | Note/Special Instruction | O | 100 |  |  |  |  |  |  |  |  |
|  | 050 | REF | Reference Identification | O | 12 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | 200 |  |  |  |  |  |  |  |
|  | 070 | N1 | Name | O | 1 |  |  |  |  |  |  |  |  |
|  | 212 | BAL | Balance Detail | O | >1 |  |  |  |  |  |  |  |  |

**Detail:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - IT1 |  |  | 200000 |  |  |  |  |  |  |  |
|  | 010 | IT1 | Baseline Item Data | O | 1 |  |  |  |  |  |  |  |  |
|  | 150 | DTM | Date/Time Reference | O | 10 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - SLN |  |  | 1000 |  |  |  |  |  |  |  |
|  | 200 | SLN | Subline Item Detail | O | 1 |  |  |  |  |  |  |  |  |
|  | 205 | DTM | Date/Time Reference | O | 1 |  |  |  |  |  |  |  |  |
|  | 210 | REF | Reference Identification | O | 12 |  |  |  |  |  |  |  |  |
|  | 230 | SAC | Service, Promotion, Allowance, or Charge Information | O | 25 |  |  |  |  |  |  |  |  |
|  | 237 | TXI | Tax Information | O | 10 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Summary:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | 010 | TDS | Total Monetary Value Summary | M | 1 |  |  |  |  |  |  |  |  |
|  | 070 | CTT | Transaction Totals | O | 1 |  | n1 |  |  |  |  |  |  |
| M | 080 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes**

**1.** Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

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~810~000000001 |

**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 | | | | | | |
|  | | | | 810 |  | Invoice | | | |
| **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: BIG Beginning Segment for Invoice**

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

**Syntax Notes:**

**Semantic Notes:** **1** BIG01 is the invoice issue date.

**2** BIG03 is the date assigned by the purchaser to purchase order.

**3** BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

**Comments:** **1** BIG07 is used only to further define the type of invoice when needed.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required  If the MOU/EC TDSP receives the 810\_03 after the date and time specified in the 867\_03 and the MOU/EC TDSP cannot process it for display on the current month's bill, the MOU/EC TDSP may notify the CR via the 824, or may agree with the CR to hold the 810\_03 for display on the next month's bill. If the 810\_03 is rejected with the 824 because of a missed bill window the CR will be required to resend the rejected 810\_03 the next month.  Any cancel/re-bill invoices received after the bill window will be reflected as an adjustment on the customer's bill for the next month.  The MOU/EC TDSP may agree to bill charges for a CR on closed accounts that have been dropped to the AREP or POLR. The CR would use the 810\_03 to send information on amounts due for these closed accounts. |
|  |  | BIG~20010201~20010201123500001~~~2048392934504~~PR~00 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BIG01** | **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** | **BIG02** | **76** | **Invoice Number** | | | | **M** |  | **AN 1/22** | | |
|  | | | Identifying number assigned by issuer | | | | | | | |
|  | | | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time.  This number will be returned in the OTI03 of the 824.  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** | **BIG05** | **328** | **Release Number** | | | | **O** |  | **AN 1/30** | | |
|  | | | Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | | | | | | | |
|  | | | The cross-reference number originally transmitted in the 867 in the BPT02 must be sent in the BIG05 of the 810.  For Cancelled invoice the cross-reference number would be made to the original meter read BPT.02, not the cancelled meter read BPT.02 transaction. | | | | | | | |
| **Must Use** | **BIG07** | **640** | **Transaction Type Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code specifying the type of transaction | | | | | | | |
|  | | | | 26 |  | Miscellaneous Services Invoice | | | | |
|  | | | | | | Used only to accommodate discretionary charges invoiced after a final bill has been sent and not to be used with "Monthly Invoices". | | | |
|  | | | | FB |  | Final Bill | | | | |
|  | | | | | | Final bill sent for this customer from the non-billing party. | | | |
|  | | | | PR |  | Product (or Service) | | | | |
|  | | | | | | Regular service period bill from the non-billing party. | | | |
| **Must Use** | **BIG08** | **353** | **Transaction Set Purpose Code** | | | | **O** |  | **ID 2/2** | | |
|  | | | Code identifying purpose of transaction set | | | | | | | |
|  | | | | 00 |  | Original | | | | |
|  | | | | | | Re-bill will always be coded as an Original | | | |
|  | | | | 01 |  | Cancellation | | | | |
|  | | | | | | Cancels an entire invoice/transaction  If an 867\_03 is canceled after the CR has sent the 810\_03 the CR will cancel the corresponding 810\_03 upon receipt of the 867\_03 cancel.  The 810\_03 may also be canceled without an 867\_03 cancel if the error was not related to usage.  The values in a cancel transaction do not have to be identical to those used in the original 810\_03. | | | |

**Segment: NTE Note/Special Instruction (Messages and Notices)**

**Position:** 030

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 100

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | NTE should only repeat three times to allow a maximum length of 240. |
|  |  | Required depending on the arrangement between the billing party and non-billing party and/or applicable regulatory authority provisions. This message is to be used to explain or clarify billing charges.  Extent of CR information displayed on the consolidated bill will impact the billing service fee that is charged to the CR by the MOU/EC TDSP for producing a consolidated bill. |
|  |  | NTE~ADD~ADJUSTMENTS DUE TO POWER FACTOR CHANGE |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NTE01** | **363** | **Note Reference Code** | | | | **O** |  | **ID 3/3** | | |
|  | | | Code identifying the functional area or purpose for which the note applies | | | | | | | |
|  | | | | ADD |  | Additional Information | | | | |
|  | | | | | | Non-billing party messages | | | |
| **Must Use** | **NTE02** | **352** | **Description** | | | | **M** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Text | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |

**Segment: NTE Note/Special Instruction (Applicable Regulatory Authority Mandated Messages and Notices)**

**Position:** 030

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 100

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | NTE should only repeat three times to allow a maximum length of 240. |
|  |  | Required if mandated by applicable regulatory authority |
|  |  | NTE~OTH~APPLICABLE REGULATORY AUTHORITY MESSAGES OR NOTICES |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NTE01** | **363** | **Note Reference Code** | | | | **O** |  | **ID 3/3** | | |
|  | | | Code identifying the functional area or purpose for which the note applies | | | | | | | |
|  | | | | OTH |  | Other Instructions | | | | |
|  | | | | | | Applicable regulatory authority mandated messages or notices | | | |
| **Must Use** | **NTE02** | **352** | **Description** | | | | **M** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Text | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |

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

**Position:** 050

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required on a Cancel (BIG08=01) transaction. |
|  |  | REF~OI~123456789019990102 |

**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 | | | | | | |
|  | | | | OI |  | Original Invoice Number | | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | Original Invoice Number | | | | | | |

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

**Position:** 050

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | 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 (CR Customer Account Number)**

**Position:** 050

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify identifying information

**Syntax Notes:** **1** At least one of REF02 or REF03 is required.

**2** If either C04003 or C04004 is present, then the other is required.

**3** If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** **1** REF04 contains data relating to the value cited in REF02.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | REF~11~8292911234567890D04052002 |

**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 | | | | | | |
|  | | | | 11 |  | Account 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 | | | | | | |
|  | | | CR Customer Account Number | | | | | | |

**Segment: N1 Name - MOU/EC TDSP**

**Position:** 070

**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~MOU/EC TDSP~1~007909411~~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 | | | | | | | |
|  | | | | 8S |  | Consumer Service Provider (CSP) | | | | |
|  | | | | | | MOU/EC (TDSP) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | MOU/EC (TDSP) Name | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | MOU/EC (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 | | | | | | | |
|  | | | | 40 |  | Receiver | | | | |

**Segment: N1 Name (Retail Electric Provider - CR)**

**Position:** 070

**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 COMPANY~9~007909422ESP1~~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 | | | | | | | |
|  | | | | SJ |  | Service Provider | | | | |
|  | | | | | | Retail Electric Provider (CR) | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** |  | **AN 1/60** | | |
|  | | | Free-form name | | | | | | | |
|  | | | CR Name | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |
| **Must Use** | **N103** | **66** | **Identification Code Qualifier** | | | | **X** |  | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | |
|  | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | | | |
|  | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | |
| **Must Use** | **N104** | **67** | **Identification Code** | | | | **X** |  | **AN 2/80** | | |
|  | | | Code identifying a party or other code | | | | | | | |
|  | | | CR D-U-N-S Number or D-U-N-S + 4 Number | | | | | | | |
| **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: BAL Balance Detail (Previous Balance)**

**Position:** 212

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify the specific monetary balances associated with a particular account

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Billing Agent will stipulate who will provide the Billing information for previous period based on billing options of Dual or Consolidated billing. |
|  |  | Required depending on the arrangement between the billing party and non-billing party The Balance (BAL~M) must also be present.  If the MOU/EC TDSP does not agree to maintain previous balances for the CR, the CR will send the previous balance in the 810\_03. If the CR sends a previous balance, the CR must also send the total balance due which is the sum of the previous balance and current billing period charges.  The sum of the amount in the TDS segment and the amount n the Previous Balance segment should equal the amount in the Current Balance segment. |
|  |  | BAL~P~YB~125.67 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BAL01** | **951** | **Balance Type Code** | | | | **M** |  | **ID 1/2** | | |
|  | | | Code indicating the type of balance | | | | | | | |
|  | | | | P |  | Previous Month | | | | |
|  | | | | | | Previous Balance | | | |
| **Must Use** | **BAL02** | **522** | **Amount Qualifier Code** | | | | **M** |  | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | | |
|  | | | | YB |  | Actual Unpaid Principal Balance | | | | |
| **Must Use** | **BAL03** | **782** | **Monetary Amount** | | | | **M** |  | **R 1/18** | | |
|  | | | Monetary amount | | | | | | | |

**Segment: BAL Balance Detail (Current Balance)**

**Position:** 212

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify the specific monetary balances associated with a particular account

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required: If previous month balance (BAL~P) is present.  Otherwise not used.  The sum of the amount in the TDS segment and the amount in the Previous Balance segment should equal the amount in the Current Balance segment. |
|  |  | BAL~M~YB~125.49 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BAL01** | **951** | **Balance Type Code** | | | | **M** |  | **ID 1/2** | | |
|  | | | Code indicating the type of balance | | | | | | | |
|  | | | | M |  | Current Month | | | | |
|  | | | | | | The customer's total outstanding balance. This is what the customer owes from previous billing periods plus the current billing period charges. | | | |
| **Must Use** | **BAL02** | **522** | **Amount Qualifier Code** | | | | **M** |  | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | | |
|  | | | | YB |  | Actual Unpaid Principal Balance | | | | |
| **Must Use** | **BAL03** | **782** | **Monetary Amount** | | | | **M** |  | **R 1/18** | | |
|  | | | Monetary amount | | | | | | | |

**Segment: IT1 Baseline Item Data**

**Position:** 010

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

**Syntax Notes:** **1** If any of IT102 IT103 or IT104 is present, then all are required.

**2** If either IT106 or IT107 is present, then the other is required.

**3** If either IT108 or IT109 is present, then the other is required.

**4** If either IT110 or IT111 is present, then the other is required.

**5** If either IT112 or IT113 is present, then the other is required.

**6** If either IT114 or IT115 is present, then the other is required.

**7** If either IT116 or IT117 is present, then the other is required.

**8** If either IT118 or IT119 is present, then the other is required.

**9** If either IT120 or IT121 is present, then the other is required.

**10** If either IT122 or IT123 is present, then the other is required.

**11** If either IT124 or IT125 is present, then the other is required.

**Semantic Notes:** **1** IT101 is the purchase order line item identification.

**Comments:** **1** Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.

**2** IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | ACCOUNT: The non-billing party will display their charges/taxes at an account level. There may only be one IT1 ACCOUNT Loop per 810\_03.  Customer charges, as listed in the SAC segment, are grouped into one ACCOUNT IT1 loop. RATE and B2B Loops are not used in the 810\_03. |
|  |  | Required |
|  |  | IT1~1~~~~~SV~EL~C3~ACCOUNT |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **IT101** | **350** | **Assigned Identification** | | | | **O** |  | **AN 1/20** | |
|  | | | Alphanumeric characters assigned for differentiation within a transaction set | | | | | | |
|  | | | Used as a loop counter | | | | | | |
| **Must Use** | **IT106** | **235** | **Product/Service ID Qualifier** | | | | **X** |  | **ID 2/2** | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | SV |  | Service Rendered | | | |
| **Must Use** | **IT107** | **234** | **Product/Service ID** | | | | **X** |  | **AN 1/48** | |
|  | | | Identifying number for a product or service | | | | | | |
|  | | | There may be only one commodity (Electric or Gas) for each 810 transaction. | | | | | | |
|  | | | | EL |  | Electric Service | | | |
| **Must Use** | **IT108** | **235** | **Product/Service ID Qualifier** | | | | **X** |  | **ID 2/2** | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | C3 |  | Classification | | | |
| **Must Use** | **IT109** | **234** | **Product/Service ID** | | | | **X** |  | **AN 1/48** | |
|  | | | Identifying number for a product or service | | | | | | |
|  | | | | ACCOUNT |  | Charges/Taxes at an Account Level | | | |

**Segment: DTM Date/Time Reference (Service Period Start)**

**Position:** 150

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required - The full service period should match the PTD~PM, PTD~BO and PTD~SU loops, if applicable, from the applicable 867.  Not Used when BIG07=26 |
|  |  | DTM~150~20020401 |

**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 | | | | | | |
|  | | | | 150 |  | Service Period Start | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |
|  | | | Date | | | | | | |

**Segment: DTM Date/Time Reference (Service Period End)**

**Position:** 150

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

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

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

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

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

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required - The full service period should match the PTD~PM, PTD~BO and PTD~SU loops, if applicable, from the applicable 867.  Not Used when BIG07=26 |
|  |  | DTM~151~20020429 |

**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 | | | | | | |
|  | | | | 151 |  | Service Period End | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |
|  | | | Date | | | | | | |

**Segment: SLN Subline Item Detail**

**Position:** 200

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify product subline detail item data

**Syntax Notes:** **1** If either SLN04 or SLN05 is present, then the other is required.

**2** If SLN07 is present, then SLN06 is required.

**3** If SLN08 is present, then SLN06 is required.

**4** If either SLN09 or SLN10 is present, then the other is required.

**5** If either SLN11 or SLN12 is present, then the other is required.

**6** If either SLN13 or SLN14 is present, then the other is required.

**7** If either SLN15 or SLN16 is present, then the other is required.

**8** If either SLN17 or SLN18 is present, then the other is required.

**9** If either SLN19 or SLN20 is present, then the other is required.

**10** If either SLN21 or SLN22 is present, then the other is required.

**11** If either SLN23 or SLN24 is present, then the other is required.

**12** If either SLN25 or SLN26 is present, then the other is required.

**13** If either SLN27 or SLN28 is present, then the other is required.

**Semantic Notes:** **1** SLN01 is the identifying number for the subline item.

**2** SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.

**3** SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.

**4** SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:** **1** See the Data Element Dictionary for a complete list of IDs.

**2** SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.

**3** SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | The SLN will be used to group charges together.  Service Orders: Each Service Order will be within its own SLN Loop and will include the Service Order Completion Date, MOU/EC TDSP Service Order Number, Charge(s) and Taxes if applicable.  For Example:  SLN~1~~A  DTM~198~20010120  REF~OW~WO12350  SAC~C~~EU~SER001~8000~~~80.00~EA~1~~~~~CHARGE DESCRIPTION  TXI~LS~8.00~~~~~A  Late Payment Charges: Each Late Payment Charge will be within its own SLN Loop and will include the associated Invoice Number and Charge.  After a final 867\_03 and a final 810\_03 a CR may discover that late payment charges apply to a customer. Therefore the CR may submit another 810\_03 to the MOU/EC TDSP for these late charges.  For Example:  SLN~1~~A  REF~IK~200112310001  SAC~C~~EU~LPC001~500~~~.05~EA~100.00~~~~~CHARGE DESCRIPTION  All other changes/ credits not associated with Service Order will be contained in one (or more) SLN loop (s). If multiple SLN loops are required, it is valid that one or more SLN loop (s) contain less than or equal to 25 repeat count limit of SAC segments.  For Example:  Within ACCOUNT Loop:  SLN~1~~A  SAC~C~~EU~GEN004~2400~~~.016~KH~1500~~~~~GENERATION CHARGE-BILLED  SAC...  SAC...  SAC...  ...Through number 25  Starting SAC number 26  SLN~2~~A  SAC~C~~EU~BAS003~475~~~4.75~EA~1~~~~~DELIVERY POINT CHARGE  SAC~C~~EU~FUE001~4023~~~.02682~KH~1500~~~~~FUEL ADJUSTMENT |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **SLN01** | **350** | **Assigned Identification** | | | | **M** |  | **AN 1/20** | |
|  | | | Alphanumeric characters assigned for differentiation within a transaction set | | | | | | |
|  | | | Used as a loop counter | | | | | | |
| **Must Use** | **SLN03** | **662** | **Relationship Code** | | | | **M** |  | **ID 1/1** | |
|  | | | Code indicating the relationship between entities | | | | | | |
|  | | | | A |  | Add | | | |

**Segment: DTM Date/Time Reference (Service Order Completion)**

**Position:** 205

**Loop:** SLN Optional

**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:** |  | IT109 = ACCOUNT: Required for Service Order SLN loops, otherwise Not Used. |
|  |  | DTM~198~20020404 |

**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 | | | | | | |
|  | | | | 198 |  | Completion | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

**Segment: DTM Date/Time Reference (Effective Date)**

**Position:** 205

**Loop:** SLN Optional

**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:** |  | IT109 = ACCOUNT: Optional for Non Energy Charges SLN loops. |
|  |  | DTM~007~20020404 |

**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 | | | | | | |
|  | | | | 007 |  | Effective | | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** |  | **DT 8/8** | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

**Segment: DTM Date/Time Reference (Service Date Range)**

**Position:** 205

**Loop:** SLN Optional

**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:** |  | IT109 = ACCOUNT: |
|  |  | DTM~944~~~~RD8~20010701-20010801 |

**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 | | | | | | | |
|  | | | | 944 |  | Adjustment Period | | | | |
|  | | | | | | Un-Metered Service Date Range | | | |
|  | **DTM05** | **1250** | **Date Time Period Format Qualifier** | | | | **X** |  | **ID 2/3** | | |
|  | | | Code indicating the date format, time format, or date and time format | | | | | | | |
|  | | | | RD8 |  | Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD | | | | |
|  | **DTM06** | **1251** | **Date Time Period** | | | | **X** |  | **AN 1/35** | | |
|  | | | Expression of a date, a time, or range of dates, times or dates and times | | | | | | | |

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

**Position:** 210

**Loop:** SLN 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:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | IT109 = ACCOUNT: Required for Service Order SLN loops, otherwise Not Used. |
|  |  | REF~OW~WO12345 |

**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 | | | | |
|  | | | | | | MOU/EC 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 | | | | | | | |
|  | | | MOU/EC TDSP Service Order Number | | | | | | | |
|  | | | The CR will obtain the Service Order Number from the invoice that the CR receives from the MOU/EC TDSP | | | | | | | |

**Segment: SAC Service, Promotion, Allowance, or Charge Information**

**Position:** 230

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 25

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

**Syntax Notes:** **1** At least one of SAC02 or SAC03 is required.

**2** If either SAC03 or SAC04 is present, then the other is required.

**3** If either SAC06 or SAC07 is present, then the other is required.

**4** If either SAC09 or SAC10 is present, then the other is required.

**5** If SAC11 is present, then SAC10 is required.

**6** If SAC13 is present, then at least one of SAC02 or SAC04 is required.

**7** If SAC14 is present, then SAC13 is required.

**8** If SAC16 is present, then SAC15 is required.

**Semantic Notes:** **1** If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.

**2** SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

**3** SAC08 is the allowance or charge rate per unit.

**4** SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.

**5** SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

**6** SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.

**7** SAC16 is used to identify the language being used in SAC15.

**Comments:** **1** SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.

**2** In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Texas SET will continue to standardize the discretionary charges in the SAC04 as they are identified by the market participants. |
|  |  | Required |
|  |  | SAC~C~~EU~LPC001~500~~~.05~EA~100.00  SAC~C~~EU~SER130~2500~~~25.00~EA~1~~~~~BROKEN METER SEAL |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **SAC01** | **248** | **Allowance or Charge Indicator** | | | | **M** |  | **ID 1/1** | | |
|  | | | Code which indicates an allowance or charge for the service specified | | | | | | | |
|  | | | | C |  | Charge | | | | |
|  | | | | | | The amount in the SAC05 will summed for inclusion in the TDS total. Will create a line item for the customer invoice and will add the amount in the SAC05 to the total provided in the TDS01. | | | |
|  | | | | N |  | No Allowance or Charge | | | | |
|  | | | | | | The amount in the SAC05 will be ignored when summing the invoice total. Not included in the TDS total. | | | |
| **Must Use** | **SAC03** | **559** | **Agency Qualifier Code** | | | | **X** |  | **ID 2/2** | | |
|  | | | Code identifying the agency assigning the code values | | | | | | | |
|  | | | | EU |  | Electric Utilities | | | | |
| **Must Use** | **SAC04** | **1301** | **Agency Service, Promotion, Allowance, or Charge Code** | | | | **X** |  | **AN 1/10** | | |
|  | | | Agency maintained code identifying the service, promotion, allowance, or charge | | | | | | | |
|  | | | SAC04 Codes can be found in the SAC04 Codes list.xls that is located with the Current Texas SET Implementation Guides on ERCOT.com | | | | | | | |
| **Must Use** | **SAC05** | **610** | **Amount** | | | | **O** |  | **N2 1/15** | | |
|  | | | Monetary amount | | | | | | | |
|  | | | This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05. A two place decimal is implied as indicated by N2 in the attributes. When SAC01 = 'C' the amount in the SAC05 will be included in the TDS01 total. | | | | | | | |
| **Dep** | **SAC06** | **378** | **Allowance/Charge Percent Qualifier** | | | | **X** |  | **ID 1/1** | | |
|  | | | Code indicating on what basis allowance or charge percent is calculated | | | | | | | |
|  | | | Condition: Required if sending a percentage in SAC07 | | | | | | | |
|  | | | | Z |  | Mutually Defined | | | | |
| **Dep** | **SAC07** | **332** | **Percent** | | | | **X** |  | **R 1/6** | | |
|  | | | Percent expressed as a percent | | | | | | | |
|  | | | Condition: Required if the non-billing party wants this information on the bill and if the billing party and non-billing party agree (or the applicable regulatory authority determines) that the non-billing party may provide such information on the bill. | | | | | | | |
| **Dep** | **SAC08** | **118** | **Rate** | | | | **O** |  | **R 1/9** | | |
|  | | | Rate expressed in the standard monetary denomination for the currency specified | | | | | | | |
|  | | | Condition: Required if the non-billing party wants this information on the bill and if the billing party and non-billing party agree (or the applicable regulatory authority determines) that the non-billing party may provide such information on the bill.  This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05. | | | | | | | |
| **Dep** | **SAC09** | **355** | **Unit or Basis for Measurement Code** | | | | **X** |  | **ID 2/2** | | |
|  | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | | | | | | |
|  | | | Condition: Required if the non-billing party wants this information on the bill and if the billing party and non-billing party agree (or the applicable regulatory authority determines) that the non-billing party may provide such information on the bill. | | | | | | | |
|  | | | | 99 |  | Watt | | | | |
|  | | | | EA |  | Each | | | | |
|  | | | | K1 |  | Kilowatt Demand | | | | |
|  | | | | | | kW | | | |
|  | | | | K2 |  | Kilovolt Amperes Reactive Demand | | | | |
|  | | | | | | kVAR | | | |
|  | | | | K3 |  | Kilovolt Amperes Reactive Hour | | | | |
|  | | | | | | kVARH | | | |
|  | | | | K4 |  | Kilovolt Amperes | | | | |
|  | | | | | | kVA | | | |
|  | | | | KH |  | Kilowatt Hour | | | | |
|  | | | | | | kWh | | | |
|  | | | | MO |  | Months | | | | |
|  | | | | T9 |  | Thousand Kilowatt Hours | | | | |
|  | | | | | | MWH | | | |
|  | | | | | | Derived from CR billing calculations. | | | |
| **Must Use** | **SAC10** | **380** | **Quantity** | | | | **X** |  | **R 1/15** | | |
|  | | | Numeric value of quantity | | | | | | | |
|  | | | Condition: Required if the non-billing party wants this information on the bill and if the billing party and non-billing party agree (or the applicable regulatory authority determines) that the non-billing party may provide such information on the bill. | | | | | | | |
|  | | | Consumption or Quantity  This field must be signed if it is negative. The SAC08 multiplied by the SAC10 must always equal the SAC05.  Billable quantity in the 867\_03 may not match the invoice quantity in the 810\_03 because of the TDSP tariff adjustments in the 810\_03 data. | | | | | | | |
| **Dep** | **SAC13** | **127** | **Reference Identification** | | | | **X** |  | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
|  | | | Print Sequencing Number  Used to assign a print sequencing number to determine the order that the line item will appear on the bill. Not used for Rate Ready billing. | | | | | | | |
|  | | | Condition: Required if print sequencing numbers are used to order the charge/tax line items on the bill. This is at the billing party or applicable regulatory authority's discretion.  Print sequencing numbers must be unique and sequential throughout the 810 transaction (i.e., counting from 01 to 99).  Maximum number of bill print lines allowed in the MOU/EC (TDSP) market segment is 99. | | | | | | | |
| **Dep** | **SAC15** | **352** | **Description** | | | | **X** |  | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | |
|  | | | Required when SAC04 = SER001. Otherwise, Optional. May be used to provide a Charge Line description. When SAC15 is used, the descript text will override the SAC04 Charge Code description on the customer invoice. If SAC15 is not used the SAC04 Charge Code description will be used on the customer invoice.  Using the SAC15 with an SAC01 = 'N' to provide additional text messages is not appropriate for this data element. | | | | | | | |
|  | | | This free-form text can not contain any characters that may be used as element delimiters, sub-element delimiters, segment terminators, or field separators. (This includes: asterisk \*, pipes |, tabs, linefeeds, carets ^, angle brackets < >, and tildes ~). | | | | | | | |

**Segment: TXI Tax Information**

**Position:** 237

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify tax information

**Syntax Notes:** **1** At least one of TXI02 TXI03 or TXI06 is required.

**2** If either TXI04 or TXI05 is present, then the other is required.

**3** If TXI08 is present, then TXI03 is required.

**Semantic Notes:** **1** TXI02 is the monetary amount of the tax.

**2** TXI03 is the tax percent expressed as a decimal.

**3** TXI07 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required: If taxes are applicable to the preceding SAC charge  The CR is responsible for determining if any state and local sales taxes apply to the energy and non-energy charges included on the 810\_03. If any sales tax does apply, the CR is responsible for calculating the amount of the tax and including the bill ready amount for taxes on the 810\_03.  The monetary amount of any taxes due should be included in the amount in the TDS segment. |
|  |  | TXI~LS~12.27~~~~~A |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **TXI01** | **963** | **Tax Type Code** | | | | **M** |  | **ID 2/2** | | |
|  | | | Code specifying the type of tax | | | | | | | |
|  | | | | LS |  | State and Local Sales Tax | | | | |
| **Must Use** | **TXI02** | **782** | **Monetary Amount** | | | | **X** |  | **R 1/18** | | |
|  | | | Monetary amount | | | | | | | |
|  | | | Calculated Tax Amount. If negative, this amount must be preceded by a negative sign.  Will be included in the TDS total when TX107 = 'A' | | | | | | | |
| **Must Use** | **TXI07** | **662** | **Relationship Code** | | | | **O** |  | **ID 1/1** | | |
|  | | | Code indicating the relationship between entities | | | | | | | |
|  | | | | A |  | Add | | | | |
|  | | | | | | The amount in the TXI02 is included when summing the invoice total. | | | |

**Segment: TDS Total Monetary Value Summary**

**Position:** 010

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify the total invoice discounts and amounts

**Syntax Notes:**

**Semantic Notes:** **1** TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

**2** TDS02 indicates the amount upon which the terms discount amount is calculated.

**3** TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).

**4** TDS04 indicates the total amount of terms discount.

**Comments:** **1** TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required  The sum of the amount in the TDS segment and the amount in the Previous Balance segment should equal the amount in the Current Balance segment. |
|  |  | TDS~9875 (Represents $98.75 the decimal is implied)  TDS~-9875 (Represents a negative or credit of $98.75 on the invoice.) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **TDS01** | **610** | **Amount** | **M** |  | **N2 1/15** | |
|  | | | Monetary amount | | | |
|  | | | Total amount of non-billing party's invoice  Total of current month charges ( including charges, less allowances )  This total does not include balances from prior billing periods.  If negative, this amount must be preceded by a negative sign. Please note that this is an implied decimal field, do not send the decimal point. | | | |

**Segment: CTT Transaction Totals**

**Position:** 070

**Loop:**

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Syntax Notes:** **1** If either CTT03 or CTT04 is present, then the other is required.

**2** If either CTT05 or CTT06 is present, then the other is required.

**Semantic Notes:**

**Comments:** **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | CTT~1 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name Attributes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **CTT01** | **354** | **Number of Line Items** | **M** |  | **N0 1/6** | |
|  | | | Total number of line items in the transaction set | | | |
|  | | | The number of IT1 segments. | | | |

**Segment: SE Transaction Set Trailer**

**Position:** 080

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** **1** SE is the last segment of each transaction set.

|  |  |  |
| --- | --- | --- |
| **Notes:** |  | Required |
|  |  | SE~35~000000001 |

**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 | | | |