Ohio Electric

Implementation Guideline

Electronic **D**ata **I**nterchange

TRANSACTION SET

810 LDC Invoice Bill Ready Ver/Rel 004010

Summary of Changes

| | • 0 |
|------------------------------------|--|
| Version 1.0.0 May 1, 2001 | Initial Release |
| Version 1.5.0 May 1, 2001 | • Change valid REF02 values in REF*PC segment from "ESP" and "LDC" to "DUAL" per Change Control 12. |
| | Add N103 and N104 to Customer Name segment for store number per Change Control 21. Remove the Summary pages (usually pages 2 and 3) from the implementation guides. |
| | These pages are automatically created by Foresight, but the last round of changes to the documents was done in Word and has not been updated in Foresight per Change Control 22. |
| N : 200 | • Added the SAC03 and SAC04 elements to the Bill Ready transaction set per Change Control 24. |
| Version 2.0.0 December 31, 2001 | No Changes |
| Version 2.1.0 June 30, 2002 | • Changed the example in the BIG segment to make the BIG07 a valid code per Change Control 46 |
| | • Added "Bill Ready" to the title page |
| | • Added note to N1~8R segment to show AP validates on first 4 characters of customer name per change control 48. |
| | • Added text to title on N1 pages to show which N1 per change control 50 |
| | • Updated REF~Q5 gray boxes to show SDID per change control 51 |
| | • Added gray box to the REF02 in the REF~PC segment |
| | Added gray box to the DTM01 of the DTM~150 segments Added gray box to the DTM01 of the DTM~151 segments |
| | Added gray box to the DTMOT of the DTM~151 segments Changed "*" to "~" in the examples |
| Version 2.2.0 | No Changes |
| October 1, 2005 | |
| Version 2.3.0 | • During 3/3/10 meeting, the OSPO Data Working Group reviewed & confirmed EDI |
| March 9, 2010 | change controls up to and including CC67. All changes in the v2.2.0 redline were accepted and v2.3.0 created as the new baseline for Ohio. |
| Version 2.4.0 | • Incorporated AEP's administrative changes as per EDI Change Control 70. |
| February 14, 2012 | Incorporated First Energy's administrative changes as per EDI Change Control 81. Added Notes Section as per EDI Change Control 85. |
| | |

| Version 2.5.0 February 15, 2013 | Incorporated DP&L's addition of Bill Ready billing as per EDI Change Control 87. Incorporated FE's support of auto cancel of bill ready invoice and bill ready bill messaging as per EDI Change Control 94 Incorporated Duke Energy Ohio's addition of Bill Ready billing as per EDI Change Control 95. Duke to implement CC95 by 9/30/2013, actual implementation date TBA by Duke. |
|------------------------------------|--|
| Version 2.6.0 March 24, 2014 | Incorporated Change Control 107 (Duke support of 810 auto cancel & bill messaging) Incorporated Change Control 113 (Correct notes for Duke 810 auto cancel) Incorporated Change Control 116 (AEP support of 810 auto cancel) |
| Version 2.6.1 February 13, 2015 | Incorporated Change Control 119 (Remove 'N' from SAC01) Incorporated Change Control 121 (DP&L's support of 810 auto cancel) Corrected missed bill window process under notes section for Duke Energy Ohio |
| Version 2.6.2 February 11, 2016 | Incorporated Change Control 132 (Add list of supported SAC04 codes for AEP & Dayton) Incorporated Change Control 136 (Correct Cancellation/Re-bill Scenario notes for Duke Energy Ohio) |
| Version 2.6.3 January 3, 2017 | • Incorporated Change Control 138 (As stated earlier this year, FirstEnergy moved from allowing a maximum of 7 SAC line item charges per EDI 810 Bill Ready invoice to no maximum) |
| Version 2.6.3 January 3, 2017 | • Incorporated Change Control 143 (Update the 810BR implementation guide to correct the notes on Negative Total Invoice to show Duke Energy OH does not support) |

General Notes

| Bill Ready EDUs: | • AEP (Columbus Southern & Ohio Power) |
|------------------------|---|
| | First Energy (Cleveland Illuminating, Ohio Edison, Toledo Edison) |
| | Dayton Power & Light |
| | • Duke Energy Ohio (must implement bill ready no later than 9/30/2013) |
| Sending Multiple 810s: | • The dates (DTM segments) in the 810 must match the dates (DTM segments) in the corresponding |
| | 867. DP&L will not validate dates. |
| | • Its recommended prior period charges be sent in separate 810 transactions. (ST segment to SE segment) within one ISA. Separate transactions (1-867 to 1-810) provide reconciliation within the EDU's system. |
| | • Utilities will initiate the billing process upon the receipt of the current charges so Suppliers must ensure prior period charges are received prior to the current charges during the current bill window. |
| | • DP&L will only validate the reference number of the 810 matches the reference number on the 867. It is the supplier's responsibility to provide the desired dates in the 810 that will be displayed on the bill. |
| Cancellation / Re-bill | AEP/First Energy/DP&L/ Duke Energy Ohio - |
| Scenarios: Directly | |
| Related to Usage | Cancel upon receipt of 867 Usage Cancel. |
| Cancellation / Re-bill | |
| Scenarios: | original bill period. The total of reversed charges will show as a line item on the bill and must |
| Not Related to Usage | equal the total charges on the original 810. DP&L will not validate dates. |
| | • The cross-reference number (BIG05) must be provided. |
| | • First Energy - The 810 Reversal (BIG08=17) can be received at any time prior to or in the same |
| | ISA as the Reissue (BIG08=18), the 810 Reissue (BIG08 = "18") is not required to be received during the billing window. |
| | during the billing window. Supplier will send their 810 Reissue (BIG08 = "18"). The service period dates must match original |
| | bill period. DP&L will not validate dates and requires the 810 Reissue to be received during the |
| | open billing window. Duke Energy Ohio will accept the 810 Reissue at any time providing the |
| | 810 Reversal is received prior to the 810 Reissue. |
| Cancellation / Re-bill | |
| Scenarios: | original bill period will be used. |
| Bill Option Change | |
| | situation. |
| | • EDU may send separate 867 re-bills, one for each service period being re-billed or combine the re- |
| | bill into one 867 covering the entire re-bill period. If combining, the EDU must send separate 867 |
| | re-bills for each billing option during the entire re-bill period (Ex – Cancel period spans 6 months, |
| | bill option changed from dual to bill ready effective start of month 4. One 867 re-bill under dual |
| | for months 1-3, second 867 re-bill under bill ready for months 4-6). |
| Cancellation / Re-bill | |
| Scenarios: | under the bill option in effect during the original billing. |
| No Longer Supplier of | |
| Record | record for the customer. Bin option in cheet during the original bining with be used. Statute of |
| | limitations for rebilling is 4 years. |
| | • DP&L will only consolidate bill for current supplier. For the previous supplier, the re-billing must be handled under dual billing. |
| | Duke Energy Ohio – may send a cancel/re-bill to supplier even if they're no longer the current |
| | supplier of record for the customer. Bill option in effect during the original billing will be used. Statute of limitations for rebilling is 18 months. |
| Cross Reference | |
| Number between 867, | 867 – BPT02 – This document establishes the cross reference number. |
| 810, and 820 | |
| 510, 410 020 | 810 - BIOOS - This document must have the cross reference number nom the respective soft. 820 - REF6O (letter O) - When making the other party whole, the 820 to the non-billing party |
| | must also include the cross reference number from 867/810 document. DP&L –Not applicable |
| | since not purchasing receivables. |
| L | |

| Charge Lines: | • AEP – 20 |
|-------------------------|--|
| Max number of charges | |
| per 810 | |
| | • DP&L –20 lines per 810; Must be in the Account type within 1 loop of an IT1. DP&L will reject |
| | entire invoice if greater than 20 or if total of all lines do not match invoice total. |
| | • Duke Energy Ohio – 10 |
| | Any additional charges over the above maximum limits will not be included in the bill and no rejection |
| | will be sent to the CRES. |
| Permits Non- | Non-Commodity Charges could be: Early Termination Fee, Late Payment Fee, Meter Fee, Account |
| Commodity Charges | Services Fee, Monthly Customer Fee, etc. |
| | • AEP – Yes |
| | • First Energy – Yes |
| | • $DP\&L - Yes$ |
| | Duke Energy Ohio – No, except for Monthly Customer Fee |
| Negative Total Invoice: | |
| | • First Energy – Yes |
| | • $DP\&L - Yes$ |
| | Duke Energy Ohio - No |
| SAC04 Codes | |
| | sends a code not on the list, the 810 invoice will be rejected. Codes may be found on the |
| | appropriate Supplier Support website. |
| | First Energy and Duke Energy Ohio – does not use SAC04 codes |
| Max number of | |
| characters in SAC15 | |
| | • DP&L – 58 |
| | • Duke Energy Ohio – 70. Up to 35 characters are displayed on one line of the bill and the second |
| | line displays immediately below the first line and will contain a maximum of 35 characters. The |
| | second line will begin at a logical break (blank space) in the first 35 characters. The SAC05 |
| | information is displayed on the same line where the SAC15 information ends and appears off to |
| יווית א מ | the right in a column of supplier charges. |
| Budget Billing | |
| | • Budget billing for the CRES portion of the bill is not on the Utility Consolidated Bill. Each EDU will continue to offer Pudget Billing on the Utility portion of the bill |
| | will continue to offer Budget Billing on the Utility portion of the bill. Should the CRES wish to budget bill a customer's charges, the CRES will need to calculate the |
| | budget, maintain budget balance, and send a budget amount as the current charge. Each EDU will |
| | remit on the amount sent in the EDI 810 regardless if it's a budgeted or actual charge. |
| | Recommend CRES use bill message (if supported by EDU) to convey the budget billing balance |
| | information to the customer. |
| | Duke Energy Ohio |
| | • Duke Energy Ohio calculates a single budget billing amount that includes gas distribution charges |
| | (as applicable), gas supplier charges (as applicable), electric distribution charges, and electric |
| | supplier charges. Supplier budget billing is not supported by Duke Energy Ohio. |
| Missed Bill Window | |
| | bill. |
| | • First Energy & Duke Energy Ohio – sends 824 OBW, holds supplier's late invoice, displays |
| | message on bill notifying the customer and presents late invoice on customer's next bill. |
| | • DP&L - will reject 810s sent outside the bill window and will send 824 OBW rejection. A bill |
| | message will display indicating the charges were not available at the time of billing for current |
| | month(s) in CRES section of customer bill. |
| Bill Messaging | |
| | • First Energy – Two lines of 80 characters for either NTE*ADD or NTE*OTH. EGS may send |
| | combination of ADD or OTH but only a maximum of two NTE lines will be printed. |
| | • DP&L – supports up to 3 lines of 76 characters each in NTE ADD segment. DP&L will truncate |
| | and post as is with no wrapping or concatenation of lines. DP&L will only display messages |
| | related to 810s for the current month. When there are multiple 810s for the current month, the bill |
| | messages related to the most recent usage date 810 will be displayed. |
| | • Duke Energy Ohio – supports up to 2 lines of 70 characters each in the NTE*ADD segment and 1 line of 70 characters in the NTE*CTH segment. |
| | line of 70 characters in the NTE*OTH segment. |

810 Invoice

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.

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.

| | Segment: | ST т | ransaction Set Header | | | | |
|---|------------------|---|---|---|----------------|--|--|
| | Position: | 010 | 010 | | | | |
| | Loop: | | | | | | |
| | Level: | Heading | | | | | |
| | Usage: | Mandato | rv | | | | |
| | Max Use: | 1 | - 5 | | | | |
| | Purpose: | To indica | ate 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: | belev | the involce Transaction Set). | | | | |
| | Notes: | Required | | | | | |
| | Totes. | - | -00000001 | | | | |
| | | | Data Element Summary | | | | |
| | Ref. | Data | | | | | |
| | Des. | <u>Element</u> | | | <u>ributes</u> | | |
| Μ | ST01 | 143 | Transaction Set Identifier Code | Μ | ID 3/3 | | |
| | | | Code uniquely identifying a Transaction Set | | | | |
| | | | 810 Invoice | | | | |
| Μ | ST02 | 329 | Transaction Set Control Number | Μ | AN 4/9 | | |
| | | | Identifying control number that must be unique within the tr functional group assigned by the originator for a transaction | | ion set | | |

| | Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: Notes: | 020 Heading Mandato 1 To indica and dates 1 BIG 2 BIG 3 BIG BIG 1 BIG Required | ate the beginning of 01 is the invoice iss 03 is the date assign 10 indicates the cor 10 is not used. 07 is used only to fu | an invoice transaction set and transmit ide | ontain | - |
|---|---|---|--|---|--------|--------------|
| | | 510-199 | 70201 177702011 | 2000001 200001 20000727007 ⁻⁰⁻ 141E ⁻⁰ 00 | | |
| | Def | D-4- | Data Ele | ment Summary | | |
| | Ref. <u>Des.</u> | Data <u>Element</u> | <u>Name</u> | | A ## | ributes |
| Μ | <u>BIG</u> 01 | <u>373</u> | Date | | | DT 8/8 |
| | | | Date expressed as | CCYYMMDD | | |
| | | | Date the bill was | | | |
| Μ | BIG02 | 76 | Invoice Number | | Μ | AN 1/22 |
| | 21002 | | | er assigned by issuer | 1.1 | |
| | | | | ion identification number assigned by the o | rigina | ator of this |
| | | | | number must be unique over time. | 8 | |
| | | | | | | |
| | | | | ence Numbers will only contain uppercase | | |
| | | | and digits (0 to 9) excluded. | . Note that punctuation (spaces, dashes, etc | c.) mu | ist be |
| Μ | BIG05 | 328 | Release Number | | 0 | AN 1/30 |
| | | | | ng a release against a Purchase Order previ | ously | |
| | | | parties involved in | | J | F |
| | | | | ce number originally transmitted in the 867 | in th | e BPT02 |
| N | DICOT | (40 | must be sent in the | | 0 | ID 2/2 |
| Μ | BIG07 | 640 | Transaction Typ | | 0 | ID 2/2 |
| | | | ME | he type of transaction Memorandum | | |
| Л | DICOR | 353 | | | 0 | ID 2/2 |
| Μ | BIG08 | 333 | Transaction Set | - | U | ID 2/2 |
| | | | | purpose of transaction set | | |
| | | | 00 | Original Cancel to be Beissued | | |
| | | | 17 | Cancel, to be Reissued | la mat | nalated to |
| | | | | Reversal - used when 810 cancellation : usage. | is not | related to |
| | | | 18 | Reissue | | |
| | | | | Used in combination with code 17 - Re | versal | , to re-bill |
| | | | | the charges that were previously reverse | | |

| ~ | NITT | ٠ | | | | | |
|----------------------------------|---------------------|--|--|----------|-----------|--|--|
| Segment: | | Note/Special Instruction | uction (CRES Messages and Notices) | | | | |
| Position: | 030 | | | | | | |
| Loop: | II Par | | | | | | |
| Level: Usage: | Heading Optional | | | | | | |
| Max Use: | 100 | | | | | | |
| Purpose: | | | ee-form format, if necessary, for commer | nt or sp | pecial | | |
| Syntax Notes: Semantic Notes: | | | | | | | |
| Comments: | stand | 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: | | required messages and | | | | | |
| | NTE~AI | characters each. DD~CRES MESSAGE DD~LINE TWO OF M | | | | | |
| | | Data Eleme | nt Summary | | | | |
| Ref. | Data | | | | | | |
| Des. | <u>Element</u> | <u>Name</u> | | | butes | | |
| NTE01 | 363 | Note Reference Cod | | U | ID 3/3 | | |
| | | | functional area or purpose for which the | note a | applies | | |
| | | ADD | Additional Information | | | | |
| | | | CRES Messages | | | | |
| NTE02 | 352 | Description | | Μ | AN 1/80 | | |
| | | A free-form description | on to clarify the related data elements an | d their | r content | | |
| | | Text | | | | | |
| | | | | | | | |

Μ

Μ

| Segment: | | Note/Special Instr s and Notices) | ruction (Applicable Regulatory Author | ity Mandated | |
|----------------------------------|---|--------------------------------------|---|----------------|--|
| Position: | 030 | | | | |
| Loop: | | | | | |
| Level: | Heading | | | | |
| Usage: | Optional | | | | |
| Max Use: | 100 | | | | |
| Purpose: | To transr instructio | | ree-form format, if necessary, for commen | nt or special | |
| 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: | Used for | required Regulatory | messages and notices. | | |
| | lines, 80 NTE~OT | characters each. 'H~REGULATORY | printed on the bill. Can be repeated for m REQUIRED MESSAGES OR NOTICES REGULATORY MESSAGES | | |
| | | Data Elem | ent Summary | | |
| Ref. | Data | | <u> </u> | | |
| Des. | Element | Name | | Attributes | |
| NTE01 | 363 | Note Reference Co | de | O ID 3/3 | |
| | | Code identifying the | e functional area or purpose for which the | note applies | |
| | | ОТН | Other Instructions | 11 | |
| | | 0111 | Applicable regulatory authority mandate notices | ed messages or | |
| NTE02 | 352 | Description | | M AN 1/80 | |
| | | - | tion to clarify the related data elements ar | | |
| | | i i nee torm deserrp | tion to charing the related data elements a | ia men content | |

Text

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REF Reference Identification (CRES Account Number)

| Segment: | REF | Reference Identification (CRES Account Number) | | | | |
|-----------------|----------|---|---------|---------|--|--|
| Position: | 050 | Kelerence Identification (CKES Account Number) | | | | |
| | 050 | | | | | |
| Loop: Level: | Heading | | | | | |
| Usage: | Optional | | | | | |
| Max Use: | 12 | | | | | |
| Purpose: | | y identifying information | | | | |
| Syntax Notes: | | ast one of REF02 or REF03 is required. | | | | |
| Syntax Protes. | | her C04003 or C04004 is present, then the other is required. | | | | |
| | | her C04005 or C04006 is present, then the other is required. | | | | |
| Semantic Notes: | | 04 contains data relating to the value cited in REF02. | | | | |
| Comments: | I KLI | of contains data relating to the value cited in NEI 02. | | | | |
| | Required | that are part of the account number must be present. Required if provided on the enrollment or change transaction. REF~11~395871290 | | | | |
| | | Data Element Summary | | | | |
| Ref. | Data | | | | | |
| Des. | Element | Name | | ributes | | |
| REF01 | 128 | Reference Identification Qualifier | Μ | ID 2/3 | | |
| | | Code qualifying the Reference Identification | | | | |
| | | 11 Account Number | | | | |
| | | CRES Account Number | | | | |
| REF02 | 127 | Reference Identification | Х | AN 1/30 | | |
| | | Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier | ı Set o | or as | | |
| | | CRES Account Number | | | | |

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М

REF Reference Identification (EDU Account Number)

| | Segment: | REF | Reference Io | dentification (EDU Account Number) | | | |
|---|---------------------|-----------------------------------|---|--|---------------|---------|--|
| | Position: | 050 | | | | | |
| | Loop: | | | | | | |
| | Level: | Heading | | | | | |
| | Usage: | Optional | | | | | |
| | Max Use: | 12 | | | | | |
| | Purpose: | | fy identifying ir | | | | |
| | Syntax Notes: | | | F02 or REF03 is required. | | | |
| | | | | C04004 is present, then the other is requ | | | |
| | | | | C04006 is present, then the other is requ | ired. | | |
| | Semantic Notes: | 1 REF | 04 contains dat | ta relating to the value cited in REF02. | | | |
| | Comments: Notes: | | | nly contain uppercase letters (A to Z) and | | | |
| | | that are p Required Number. | that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the account number must be present. Required for all utilities except AEP, which will use Service Delivery Identification Number. First Energy requires 20 digit Customer Number REF~12~39205810578 | | | | |
| | | | Data | Element Summary | | | |
| | Ref. | Data | | | | | |
| | Des. | Element | Name | | Attı | ibutes | |
| Μ | REF01 | 128 | | entification Qualifier | Μ | ID 2/3 | |
| | | | Code qualifying | ng the Reference Identification | | | |
| | | | 12 | Billing Account | | | |
| | | | | EDU Account Number | | | |
| Μ | REF02 | 127 | Reference Id | entification | X | AN 1/30 | |
| | | | | ormation as defined for a particular Trans | saction Set o | | |
| | | | | he Reference Identification Qualifier | | n ub | |
| | | | EDU Account Number | | | | |
| | | | | | | | |

REF Reference Identification (Billing Type)

| Segment: | KEF | Reference Identification (Billing Type) | | | | |
|----------------------|-----------------|--|-------------------------------|--|--|--|
| Position: | 050 | | | | | |
| Loop: | | | | | | |
| Level: | Heading | | | | | |
| Usage: | Optional | | | | | |
| Max Use: | 12 | | | | | |
| Purpose: | To specif | y identifying information | | | | |
| Syntax Notes: | 1 At le | ast one of REF02 or REF03 is required. | | | | |
| | 2 If eit | her C04003 or C04004 is present, then the other is required. | | | | |
| | 3 If eit | her C04005 or C04006 is present, then the other is required. | | | | |
| Semantic Notes: | 1 REF | 04 contains data relating to the value cited in REF02. | | | | |
| Comments: | | | | | | |
| Notes: | Required | | | | | |
| | REF~BL' | REF~BLT~LDC | | | | |
| | | | | | | |
| Def | Data | Data Element Summary | | | | |
| Ref. | Data Element | Nome | A 44 | | | |
| <u>Des.</u> REF01 | Element 128 | Name Reference Identification Qualifier | <u>Attributes</u> M ID 2/3 | | | |
| KEFUI | 120 | Reference Identification Qualifier | M ID 2/3 | | | |
| | | Code qualifying the Reference Identification | | | | |
| | | BLT Billing Type | | | | |

specified by the Reference Identification Qualifier When REF01 is BLT, valid values for REF02 are:

Reference information as defined for a particular Transaction Set or as

ESP Bills the Customer

LDC Bills the Customer

Reference Identification

ESP

LDC

Μ

М

REF02

127

X AN 1/30

REF Reference Identification (Original Transaction Reference Number)

| | Segment: | REF | Reference Id | entification (Original Transaction Reference | e Nu | mber) |
|---|------------------|----------------|----------------------|---|---------|----------------|
| | Position: | 050 | | | | |
| | Loop: | | | | | |
| | Level: | Heading | | | | |
| | Usage: | Optional | | | | |
| | Max Use: | 12 | | | | |
| | Purpose: | | fy identifying in | | | |
| | Syntax Notes: | | | 02 or REF03 is required. | | |
| | | | | C04004 is present, then the other is required. | | |
| | | | | C04006 is present, then the other is required. | | |
| | Semantic Notes: | 1 REF | 04 contains data | relating to the value cited in REF02. | | |
| | Comments: | D | | | | |
| | Notes: | - | | IG08=01 or 17) transaction. | | |
| | | REF~OI | ~123456789019 | 990102 | | |
| | | | Data I | Element Summary | | |
| | Ref. | Data | | - | | |
| | Des. | Element | <u>Name</u> | | Att | <u>ributes</u> |
| Μ | REF01 | 128 | Reference Ide | ntification Qualifier | Μ | ID 2/3 |
| | | | Code qualifyin | g the Reference Identification | | |
| | | | OI | Original Invoice Number | | |
| | | | | Sent when $BIG08 = 01$ or 17. | | |
| Μ | REF02 | 127 | Reference Ide | ntification | Х | AN 1/30 |
| | | | specified by th | rmation as defined for a particular Transaction e Reference Identification Qualifier | ı Set o | or as |
| | | | Original Invoic | ce munider | | |

REF Reference Identification (Party Calculating the Charges)

| Segment: | ${f REF}$ Reference Identification (Party Calculating the Charges) |
|------------------|---|
| 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~PC~LDC |
| | Data Element Summary |
| Rof | Data |

| М | Ref. <u>Des.</u> REF01 | Data <u>Element</u> 128 | <u>Name</u> Reference Identif | ication Qualifier | <u>Attı</u> M | ributes ID 2/3 |
|---|------------------------------|-------------------------------|----------------------------------|--|------------------|-------------------|
| | | | Code qualifying th | e Reference Identification | | |
| | | | PC | Production Code | | |
| | | | | Identifies the party that calculates the b | ill. | |
| Μ | REF02 | 127 | Reference Identif | ication | Х | AN 1/30 |
| | | | | tion as defined for a particular Transaction eference Identification Qualifier Each party calculates their own charges | | or as |
| | | | Party calculating the | he charges to be put on the bill. | | |

| REF | Reference Identification (Q5 = SDID Number) |
|-------|--|
| INL/I | Reference Identification ($O_5 = SDID$ Number) |

| Position: 030 Loop: LIN Optional Level: Detail Optional Usage: Optional Image: Optional Max Use: 12 Purpose: To specify identifying information Syntax Notes: 1 At least one of REF02 or REF03 is required. Image: Image: 2 If either C04003 or C04004 is present, then the other is required. Image: | S | Segment: | NĽſ | Reference Identification (Q5 = SDID Number) | | |
|--|--------|----------------------|--|---|------------------|--------------------------|
| Level: Detail 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. 3 If either C04005 or C04006 is present, then the other is required. 3 I REF04 contains data relating to the value cited in REF02. Comments: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Data Element Summary Bes. Element Name Attributes MEF01 128 Reference Identification Qualifier M ID 2/3 Code qualifying the Reference Identification X AN 1/30 Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |] | Position: | | | | |
| Usage: Optional Max Use: 12 Purpose: To specify identifying information Syntax Notes: 1 At least one of REF02 or REF03 is required. Syntax Notes: 1 At least one of REF02 or REF03 is required. 3 If either C04003 or C04004 is present, then the other is required. 3 Semantic Notes: 1 REF04 contains data relating to the value cited in REF02. Comments: Notes: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Des. Element Mame Attributes Des. Element Name Attributes Q5 Property Control Number M ID 2/3 Code qualifying the Reference Identification X AN 1/30 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 X AN 1/30 | | Loop: | LIN | 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. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 4 REF04 contains data relating to the value cited in REF02. Somments: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Data Element Summary Ref. Data Des. Element Name REF01 128 Reference Identification Qualifier M ID 2/3 Code qualifying the Reference Ident | | Level: | Detail | | | |
| Purpose: To specify identifying information Syntax Notes: 1 At least one of REF02 or REF03 is required. Syntax Notes: 1 feither C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 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. Notes: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Des. Element Name Attributes REF01 Data Element Summary Q5 Property Control Number M ID 2/3 Code qualifying the Reference Identification X AN 1/30 REF02 127 Reference Identification X AN 1/30 Reference information as define | | Usage: | Optional | | | |
| 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. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required. 4 REF04 contains data relating to the value cited in REF02. Solid numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Data Element Summary Ref. Data Des. Element REF01 128 Reference Identification Qualifier M ID 2/3 | Ν | Max Use: | 12 | | | |
| 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. 3 If either C04005 or C04006 is present, then the other is required. 1 REF04 contains data relating to the value cited in REF02. Source in REF02 SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Data Element Summary Ref. Data Des. Element REF01 128 Reference Identification Qualifier M ID 2/3 Code qualifying the Reference Identification Q5 Property Control Number AEP assigned Service Delivery Identification Number REF02 127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |] | Purpose: | To specif | fy identifying information | | |
| Semantic Notes: Comments: Notes: 3 If either C04005 or C04006 is present, then the other is required. 1 1 REF04 contains data relating to the value cited in REF02. 1 REF04 contains data relating to the value cited in REF02. SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that | Synta | ax Notes: | 1 At le | east one of REF02 or REF03 is required. | | |
| Semantic Notes: 1 REF04 contains data relating to the value cited in REF02. Notes: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Deta: Data Element Name REF01 Reference Identification Qualifier Q5 Property Control Number AEP assigned Service Delivery Identification Number REF02 127 Reference Identification as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | ther C04003 or C04004 is present, then the other is require | ed. | |
| Comments: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Ref. Data Des. Element REF01 128 Reference Identification Qualifier M Code qualifying the Reference Identification Q5 Property Control Number AEP assigned Service Delivery Identification Number REF02 127 Reference Identification as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | ed. | |
| Notes: SDID numbers will only contain uppercase letters (A to Z) and Digits (0 - 9). Note that punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Ref. Data Des. Element REF01 128 Reference Identification Qualifier M Code qualifying the Reference Identification Q5 Property Control Number AEP assigned Service Delivery Identification Number REF02 127 Reference Identification as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | Semant | ic Notes: | 1 REF | 04 contains data relating to the value cited in REF02. | | |
| punctuation (spaces, dashes, etc.) must be excluded, and leading and trailing zeros that are part of the SDID number must be present. Required if customer is in AEP service territory. Maximum use of 1 per transaction REF~Q5~9876543245678DCH Des. Data Element Name REF01 128 Reference Identification Qualifier M Q5 Property Control Number Q5 Property Control Number AEP assigned Service Delivery Identification Number REF02 127 Reference Identification as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | Co | mments: | | | | |
| Ref. Data Attributes Des. Element Name Attributes REF01 128 Reference Identification Qualifier M ID 2/3 Code qualifying the Reference Identification Q5 Property Control Number Q5 Property Control Number Attributes 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 X AN 1/30 | | | | | | |
| Des. REF01 Element 128 Name Reference Identification Qualifier Attributes M Attributes ID 2/3 Code qualifying the Reference Identification Q5 Property Control Number ID 2/3 REF02 127 Reference Identification Reference Identification as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | Required | l if customer is in AEP service territory. Maximum use of ~9876543245678DCH | 1 per tran | saction |
| REF01 128 Reference Identification Qualifier M ID 2/3 Code qualifying the Reference Identification Q5 Property Control Number Q5 Property Control Number AEP assigned Service Delivery Identification Number 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 | | Ref. | Required REF~Q5 | l if customer is in AEP service territory. Maximum use of ~9876543245678DCH | 1 per tran | saction |
| Q5 Property Control Number AEP assigned Service Delivery Identification Number 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 | | | Required REF~Q5 Data | l if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary | | |
| Q5 Property Control Number AEP assigned Service Delivery Identification Number 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 | | Des. | Required REF~Q5 Data <u>Element</u> | if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary <u>Name</u> | Attr | <u>ibutes</u> |
| 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 Set or as | | Des. | Required REF~Q5 Data <u>Element</u> | i if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary <u>Name</u> Reference Identification Qualifier | Attr | <u>ibutes</u> |
| 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 X AN 1/30 | | Des. | Required REF~Q5 Data <u>Element</u> | a if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary <u>Name</u> Reference Identification Qualifier Code qualifying the Reference Identification | Attr | <u>ibutes</u> |
| specified by the Reference Identification Qualifier | | Des. | Required REF~Q5 Data <u>Element</u> | I if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary Name Reference Identification Qualifier Code qualifying the Reference Identification Q5 Property Control Number | Attr | <u>ibutes</u> |
| | | <u>Des.</u> REF01 | Required REF~Q5 ⁻ Data <u>Element</u> 128 | A if customer is in AEP service territory. Maximum use of ~9876543245678DCH Data Element Summary Name Reference Identification Qualifier Code qualifying the Reference Identification Q5 Property Control Number AEP assigned Service Delivery Identification Number | <u>Attr</u> M | <u>-ibutes</u> ID 2/3 |

Μ

М

| Se | Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: emantic Notes: Comments: | 070 N1 C Heading Optional 1 To identi 1 At le 2 If eit 1 This | east one of N102 or N her N103 or N104 is segment, used alone | present, then the other is required. | | |
|-----|--|---|---|---|---|--------------------------|
| | Notes: | prov 2 N10 Required | ide a key to the table 5 and N106 further d | ion. To obtain this efficiency the "ID Code maintained by the transaction processing effine the type of entity in N101. ~007909411 | | |
| | | | Data Elem | ent Summary | | |
| М | Ref. <u>Des.</u> N101 | Data <u>Element</u> 98 | <u>Name</u> Entity Identifier C | | | <u>ributes</u> ID 2/3 |
| 111 | NIUI | 20 | • | n organizational entity, a physical location Consumer Service Provider (CSP) EDU | | |
| Μ | N102 | 93 | Name | | Х | AN 1/60 |
| | | | Free-form name | | | |
| | | | EDU Name | | | |
| Μ | N103 | 66 | Identification Cod | e Qualifier | Х | ID 1/2 |
| | | | Code designating th Code (67) 1 9 | ne system/method of code structure used for D-U-N-S Number, Dun & Bradstreet D-U-N-S+4, D-U-N-S Number with For | | |
| | | | | Suffix | | |
| Μ | N104 | 67 | Identification Cod | | X | AN 2/80 |
| | | | Code identifying a | | | |
| | | | EDU D-U-N-S Nur | nber or D-U-N-S + 4 Number | | |

| | Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: | 070 N1 () Heading Optional 1 To identi 1 At lo 2 If ei 1 This orga prov | ify a party by type of east one of N102 or N ther N103 or N104 is s segment, used alone mizational identificat vide a key to the table 5 and N106 further d | organization, name, and code V103 is required. 5 present, then the other is required. 6, provides the most efficient method of pr ion. To obtain this efficiency the "ID Cod 9 maintained by the transaction processing efine the type of entity in N101. | e" (N | (104) must |
|---|---|---|---|---|--------|--------------------------|
| | | NI CL | CRES COMPANY~9 | 0070004000000 | | |
| М | Ref. <u>Des.</u> N101 | Data <u>Element</u> 98 | | ent Summary | | <u>ributes</u> ID 2/3 |
| | | | Code identifying ar individual SJ | n organizational entity, a physical location Service Provider CRES | , proj | perty or an |
| Μ | N102 | 93 | Name | | Х | AN 1/60 |
| | | | Free-form name CRES Name | | | |
| Μ | N103 | 66 | Identification Cod | - | X | ID 1/2 |
| | | | Code (67) 1 9 | ne system/method of code structure used f D-U-N-S Number, Dun & Bradstreet D-U-N-S+4, D-U-N-S Number with Fo Suffix | | aracter |
| Μ | N104 | 67 | Identification Cod | | Х | AN 2/80 |
| | | | Code identifying a CRES D-U-N-S Nu | party or other code umber or D-U-N-S + 4 Number | | |

| | Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments: Notes: | 070 N1 C Heading Optional 1 To identi 1 At le 2 If eit 1 This orga prov 2 N102 Required N1~8R~4 | east one of N102 or N her N103 or N104 is segment, used alone, nizational identificational ide a key to the table 5 and N106 further de | organization, name, and code [103 is required. present, then the other is required. , provides the most efficient method of pro on. To obtain this efficiency the "ID Code maintained by the transaction processing efine the type of entity in N101. | e" (N | 104) must |
|-----|---|--|--|---|-----------------|--------------------------|
| | | | Data Eleme | ent Summary | | |
| | Ref. | Data | NT | | | |
| М | <u>Des.</u> N101 | <u>Element</u> 98 | <u>Name</u> Entity Identifier Co | ode | <u>Aur</u> M | <u>ributes</u> ID 2/3 |
| IVI | | 70 | · | organizational entity, a physical location, | | |
| | | | individual | organizational entity, a physical location, | , prop | berty of all |
| | | | 8R | Consumer Service Provider (CSP) Custo | omer | |
| | | | | Customer | | |
| М | N102 | 93 | Name | | Х | AN 1/60 |
| | | | Free-form name | | | |
| | | | Customer name as d | locumented in the sender's application sys | tem. | |
| С | N103 | 66 | Identification Code | | Х | ID 1/2 |
| | | | Code designating the Code (67) | e system/method of code structure used fo | or Ide | entification |
| | | | Condition: Required | l when available. | | |
| | | | 92 | Assigned by Buyer or Buyer's Agent | | |
| | | | | Store Number or other Reference number | er me | aningful to |
| С | N104 | 67 | Identification Code | the customer. | X | AN 2/80 |
| C | 11104 | 07 | | | Λ | AIN 2/00 |
| | | | Code identifying a p | - | or N | Note that this |
| | | | | ference number meaningful to the custom by the EDU and may or may not be applied | | |
| | | | namoer is assigned | by the EDC and may of may not be applied | | to the CILD. |

| 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: Used to convey charges that apply to the entire account. |
| | Required if there are account level charges |
| | IT1~1~~~~SV~EL~C3~ACCOUNT |
| | |

Data Element Summary

| | Ref. | Data | | - | | |
|---|-------|----------------|---|---|---------|-------------|
| | Des. | <u>Element</u> | <u>Name</u> | | Att | ributes |
| Μ | IT101 | 350 | Assigned Identi | ification | 0 | AN 1/20 |
| | | | Alphanumeric cl | haracters assigned for differentiation within | a tran | saction set |
| | | | Sequential Line | Item Counter | | |
| Μ | IT106 | 235 | Product/Servic | e ID Qualifier | Х | ID 2/2 |
| | | | Code identifying Product/Service SV | g the type/source of the descriptive number ID (234) Service Rendered | used ir | 1 |
| Μ | IT107 | 234 | Product/Servic | e ID | Х | AN 1/48 |
| | | | Identifying num | ber for a product or service | | |
| | | | There may be or | nly one commodity (Electric) for each 810 t | ransac | tion. |
| | | | EL | Electric Service | | |
| Μ | IT108 | 235 | Product/Servic | e ID Qualifier | Х | ID 2/2 |
| | | | Code identifying Product/Service C3 | g the type/source of the descriptive number ID (234) Classification | used ir | 1 |
| Μ | IT109 | 234 | Product/Servic | e ID | Х | AN 1/48 |
| | | | Identifying num | ber for a product or service | | |
| | | | ACCOUNT | Charges/Taxes at an Account Level | | |
| | | | | | | |

| | Segment: | DTN | Date/Time Reference (Service Period Start) | | |
|-----|-----------------|----------------|---|------|----------------|
| | Position: | 150 | | | |
| | Loop: | IT1 | Optional | | |
| | Level: | Detail | - | | |
| | Usage: | Optional | | | |
| | Max Use: | 10 | | | |
| | Purpose: | - | y pertinent dates and times | | |
| | Syntax Notes: | | east one of DTM02 DTM03 or DTM05 is required. | | |
| | | | ΓM04 is present, then DTM03 is required. | | |
| | ~ | 3 If eit | her DTM05 or DTM06 is present, then the other is required. | | |
| | Semantic Notes: | | | | |
| | Comments: | | | | ~ 1 |
| | Notes: | | service period should match the PTD~SU, PTD~BO, and/or P | TD~B | SC loops |
| | | | applicable 867. | | |
| | | Required | | | |
| | | DTM~15 | 50~19991224 | | |
| | | | Data Element Summary | | |
| | Ref. | Data | č | | |
| | Des. | Element | <u>Name</u> | Attr | <u>ributes</u> |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 150 Service Period Start | | |
| | | | Beginning Read Date | | |
| М | DTM02 | 373 | Date | X | DT 8/8 |
| IVI | D1 1102 | 515 | | Λ | D1 0/0 |
| | | | Date expressed as CCYYMMDD | | |
| | | | Date expressed as CCYYMMDD | | |
| | | | | | |

| | Segment: | DTN | Date/Time Reference (Service Period End) | | |
|---|-----------------|----------|---|------|----------------|
| | Position: | 150 | | | |
| | Loop: | IT1 | Optional | | |
| | Level: | Detail | | | |
| | Usage: | Optional | | | |
| | Max Use: | 10 | | | |
| | Purpose: | | Ty pertinent dates and times | | |
| | Syntax Notes: | | east one of DTM02 DTM03 or DTM05 is required. | | |
| | | | ΓM04 is present, then DTM03 is required. | | |
| | | 3 If eit | ther DTM05 or DTM06 is present, then the other is required. | | |
| | Semantic Notes: | | | | |
| | Comments: | T | | | |
| | Notes: | | service period should match the PTD~SU, PTD~BO, and /or F applicable 867. | TD~I | SC 100ps |
| | | Required | | | |
| | | DTM~15 | 51~20000124 | | |
| | | | | | |
| | | | Data Element Summary | | |
| | Ref. | Data | | | |
| | Des. | Element | <u>Name</u> | - | <u>ributes</u> |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | | |
| | | | 151 Service Period End | | |
| | | | Ending Read Date | | |
| Μ | DTM02 | 373 | Date | Х | DT 8/8 |
| | | | Date expressed as CCYYMMDD | | |
| | | | Date expressed as CCYYMMDD | | |
| | | | | | |

| Segment: Position: Loop: | SLN Subline Item Detail 200 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 IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC |
| | loops (Position 180). Each SLN loop will only contain one SAC. Multiple |
| | charges/allowances require multiple SLN loops. |
| | Required |
| | SLN~1~~A |
| | |
| | Data Element Summary |
| Ref | Data |

| | Ref. | Data | | | |
|---|-------|----------------|---|--------------|----------------|
| | Des. | <u>Element</u> | <u>Name</u> | Att | <u>ributes</u> |
| Μ | SLN01 | 350 | Assigned Identification | \mathbf{M} | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within | ı a tran | saction set |
| | | | Used as a loop counter | | |
| Μ | SLN03 | 662 | Relationship Code | Μ | ID 1/1 |
| | | | Code indicating the relationship between entities | | |
| | | | A Add | | |

| Segment: | SAC | Service, Promotio | on, Allowance, or Charge Informat | ion | |
|------------------------|----------------------|--|---|-------------|------------------|
| Position: | 230 | | | | |
| Loop: Level: | SLN Detail | Optional | | | |
| Usage: | Optional | | | | |
| Max Use: | 25 | | | | |
| Purpose: | | | ce, promotion, allowance, or charge; t | to specify | the amount |
| Comton Noton | | | promotion, allowance, or charge | | |
| Syntax Notes: | | east one of SAC02 or her SAC03 or SAC03 | AC03 is required. We are present, then the other is required. | d | |
| | | | 7 is present, then the other is required | | |
| | | | 0 is present, then the other is required | | |
| | | C11 is present, then | | | |
| | | | at least one of SAC02 or SAC04 is $r = SAC13$ is required | equired. | |
| | | AC14 is present, then AC16 is present, then | | | |
| Semantic Notes: | | | then at least one of SAC05, SAC07, o | or SAC08 | 3 is required. |
| | 2 SAC | 05 is the total amour | nt for the service, promotion, allowan | ice, or cha | arge. |
| | | 1 | SAC07 or SAC08, then SAC05 takes | s precede | ence. |
| | | | or charge rate per unit. e quantity basis when the allowance o | r aharaa | quantity is |
| | | | se order or invoice quantity. | " charge | quality is |
| | | | together indicate a quantity range, w | hich coul | d be a dollar |
| | | | to service, promotion, allowance, or | | |
| | | | ction with SAC02 or SAC04 to provi | de a spec | cific reference |
| | | ber as identified by the table of tabl | tion with SAC13 to identify an optic | on when t | there is more |
| | | one option of the pro | | | |
| | 7 SAC | 16 is used to identify | y the language being used in SAC15. | | |
| Comments: | | | niquely identify the service, promotic | | |
| | | | y be used in conjunction to further th tions, it is necessary to advise the trace | | |
| | | | a particular allowance, charge, or pro | | |
| | | | s amount is commonly referred to as | | |
| | Amo | ount". It is represente | d in the SAC segment in SAC10 usin | | |
| Nataa | | ars in SAC09. | nly on a CAC Multiple sharess/alles | | |
| Notes: | Each SLI SLN loop | - | nly one SAC. Multiple charges/allow | vances re | equire multiple |
| | Required | | | | |
| | - | | IO~1~~~2~~CUSTOMER CHARGE | ES: \$5.00 |) |
| | SAC~C~ | D140~EU~GEN001 | ~500~~~~MO~1~~~2~~CUSTOME | R CHAF | RGES: \$5.00 |
| | | Data Flom | ent Summary | | |
| Ref. | Data | Data Elem | ient Summary | | |
| Des. | <u>Element</u> | Name | | | <u>tributes</u> |
| SAC01 | 248 | Allowance or Cha | rge Indicator | Μ | ID 1/1 |
| | | | es an allowance or charge for the service | vice spec | ified |
| | | С | Charge | | |
| SAC02 | 1300 | | n, Allowance, or Charge Code | X | ID 4/4 |
| | | | e service, promotion, allowance, or c | harge | |
| | | D140 | Forwarding Charge | | |
| | | | Bill Ready - Actual Charges | | |
| SAC03 | 559 | Agency Qualifier | | Х | ID 2/2 |
| | | EU | Electric Utilities | he erree | d upon hu |
| | | | Conditional – Use of this field will the EDU and CRES. | be agree | a upon by |
| SAC04 | 1301 | Energy Charges | | X | AN 1/10 |
| | | | Required – AEP & DP&L | | |
| | | | Not Used – Duke Energy Ohio & F | | |
| (810BR (004010) V2.6.4 | | | 24 | F | February 8, 2018 |

Μ

Μ

С

С

| | | | ADJ002 BAS001 BAS002 BUD001 BUD002 DMD001 ENC001 ENC020 ENC022 CEN001 | Adjustment Basic Customer Charge Special Billing Charge Budget Billing Amount Budget Billing Settlement Demand Charge Energy Charge Night Charge Flat Bill | | |
|---|-------|-----|--|--|---------|-------------|
| | | | GEN001 GEN002 | Generation Charge Generation - Measured | | |
| | | | GEN003 | Generation - Adjusted | | |
| | | | GEN004 | Generation - Billed | | |
| | | | GTC002 | Generation & Transmission | | |
| | | | GTC004 LPC001 | Generation & Transmission - Billed Late Payment Charge | | |
| | | | ODL001 | Outdoor Lighting | | |
| | | | TRN004 | Transmission Billed | | |
| Μ | SAC05 | 610 | Amount | | 0 | N2 1/15 |
| | | | Monetary amount | | | |
| | | | This field stands or | n its own and will be signed if it is negative | e. Th | ne SAC01 is |
| | | | | mine the sign in the SAC05. | | |
| Μ | SAC09 | 355 | | Measurement Code | X | ID 2/2 |
| | | | Code specifying the which a measurement K1 | e units in which a value is being expressed ent has been taken Kilowatt Demand | l, or r | nanner in |
| | | | K2 | Kilovolt Amperes Reactive Demand | | |
| | | | K3 | Kilovolt Amperes Reactive Hour | | |
| | | | K4 | Kilovolt Amperes | | |
| | | | KH | Kilowatt Hour | | |
| | | | MO | Months | | |
| Μ | SAC10 | 380 | Quantity | | Х | R 1/15 |
| | | | Numeric value of q | uantity | | |
| С | SAC13 | 127 | Reference Identifi | cation | Х | AN 1/30 |
| | | | | tion as defined for a particular Transaction | Set o | or as |
| | | | | ference Identification Qualifier | | |
| | | | | int sequencing number to determine the on the bill. Condition: Required if CRES w ce | | |
| Μ | SAC15 | 352 | Description | | Х | AN 1/80 |
| | | | A free-form descrip | ption to clarify the related data elements an | nd the | eir content |
| | | | | ld is limited by each billing party. Check party to verify the maximum length of this | | |
| | | | | | | |

| 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: | RATE: Used to convey charges that apply to the Rate Level. |
| | Required if charges can be summed to the rate level. |
| | IT1~1~~~SV~EL~C3~RATE |
| | |

Data Element Summary

| | Ref. | Data | | - | | |
|---|-------|---------|--|--|-----------------|-------------|
| | Des. | Element | <u>Name</u> | | Att | ributes |
| Μ | IT101 | 350 | Assigned Iden | tification | 0 | AN 1/20 |
| | | | Alphanumeric | characters assigned for differentiation | within a tran | saction set |
| | | | Sequential Line | e Item Counter | | |
| Μ | IT106 | 235 | Product/Servio | ce ID Qualifier | X | ID 2/2 |
| | | | Code identifyin Product/Service SV | g the type/source of the descriptive n e ID (234) Service Rendered | umber used in | l |
| Μ | IT107 | 234 | Product/Servio | ce ID | X | AN 1/48 |
| | | | Identifying nun | nber for a product or service | | |
| | | | There may be o | nly one commodity (Electric) for eac | h 810 transact | tion. |
| | | | EL | Electric Service | | |
| Μ | IT108 | 235 | Product/Servio | ce ID Qualifier | Х | ID 2/2 |
| | | | Code identifyin Product/Service C3 | g the type/source of the descriptive n e ID (234) Classification | umber used in | l |
| Μ | IT109 | 234 | Product/Servio | ce ID | X | AN 1/48 |
| | | | Identifying nun | nber for a product or service | | |
| | | | RATE | Indicates that charges are summ | narized at a ra | te level |
| | | | | | | |

| | Segment: | DTN | I Date/Time Reference (Service Period Start) | | | | |
|---|---------------------|--|---|---|----------------|--|--|
| | Position: | 150 | | | | | |
| | Loop: | IT1 (| Dptional | | | | |
| | Level: | Detail | | | | | |
| | Usage: | Optional | | | | | |
| | Max Use: | 10 | | | | | |
| | Purpose: | | y pertinent dates and times | | | | |
| | Syntax Notes: | | ast one of DTM02 DTM03 or DTM05 is required. | | | | |
| | | | ΓM04 is present, then DTM03 is required. | | | | |
| | ~ | 3 If eit | her DTM05 or DTM06 is present, then the other is required. | | | | |
| | Semantic Notes: | | | | | | |
| | Comments: Notes: | | service period should match the PTD~SU, PTD~BO, and/or P | | ~ 1 | | |
| | | from the applicable 867. Required DTM~150~19991224 | | | | | |
| | | | Data Element Summary | | | | |
| | Ref. | Data | | | | | |
| | Des. | Element | Name | - | <u>ributes</u> | | |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 | | |
| | | | Code specifying type of date or time, or both date and time | | | | |
| | | | 150 Service Period Start | | | | |
| | | | Beginning Read Date | | | | |
| Μ | DTM02 | 373 | Date | Χ | DT 8/8 | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | | | | | |

| | Segment: | DTN | Date/Time Reference (Service Period End) | | | | |
|---|-----------------|------------------|---|------|---------------|--|--|
| | Position: | 150 | | | | | |
| | Loop: | IT1 | Optional | | | | |
| | Level: | Detail | | | | | |
| | Usage: | Optional | | | | | |
| | Max Use: | 10 | | | | | |
| | Purpose: | - | y pertinent dates and times | | | | |
| | Syntax Notes: | | ast one of DTM02 DTM03 or DTM05 is required. | | | | |
| | | | ΓM04 is present, then DTM03 is required. | | | | |
| | | 3 If eit | her DTM05 or DTM06 is present, then the other is required. | | | | |
| | Semantic Notes: | | | | | | |
| | Comments: | T | | | <u>a</u> 1 | | |
| | Notes: | | service period should match the PTD~SU, PTD~BO, and/or P | ID~B | C loops | | |
| | | Required | applicable 867. | | | | |
| | | - | | | | | |
| | | DTM~151~20000124 | | | | | |
| | | | Data Element Summary | | | | |
| | Ref. | Data | • | | | | |
| | Des. | <u>Element</u> | <u>Name</u> | Attr | <u>ibutes</u> | | |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 | | |
| | | | Code specifying type of date or time, or both date and time | | | | |
| | | | 151 Service Period End | | | | |
| | | | Ending Read Date | | | | |
| Μ | DTM02 | 373 | Date | Х | DT 8/8 | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | 1 | | | | |

| 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. |
| | 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: | SLN01 is the identifying number for the subline item. |
| Semantie 10005. | 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 IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC |
| | loops (Position 180). Each SLN loop will only contain one SAC. Multiple |
| | charges/allowances require multiple SLN loops. |
| | Required |
| | SLN~1~~A |
| | |
| Ref | Data Element Summary Data |

| | Ref. | Data | | | |
|---|-------|----------------|---|--------|----------------|
| | Des. | <u>Element</u> | Name | Att | <u>ributes</u> |
| Μ | SLN01 | 350 | Assigned Identification | Μ | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within | a tran | saction set |
| | | | Used as a loop counter | | |
| Μ | SLN03 | 662 | Relationship Code | Μ | ID 1/1 |
| | | | Code indicating the relationship between entities | | |
| | | | A Add | | |

| ~ | 516 | ۹ | | | |
|----------------------|----------------|--|---|--------------|------------------|
| Segment: | | Service, Promotion | a, Allowance, or Charge Informa | ation | |
| Position: | 230 | | | | |
| Loop: Level: | SLN Detail | Optional | | | |
| Usage: | Optional | | | | |
| Max Use: | 25 | | | | |
| Purpose: | | st or identify a service | , promotion, allowance, or charge | ; to specify | the amount |
| • | | | romotion, allowance, or charge | | |
| Syntax Notes: | | east one of SAC02 or S | SAC03 is required. | | |
| | | | is present, then the other is requir | | |
| | | | is present, then the other is requir | | |
| | | | is present, then the other is requir | red. | |
| | | AC11 is present, then S | - | magningd | |
| | | AC13 is present, then S | at least one of SAC02 or SAC04 is | s required. | |
| | | AC16 is present, then S | | | |
| Semantic Notes: | | | en at least one of SAC05, SAC07, | or SAC08 | s is required. |
| | | | for the service, promotion, allowa | | |
| | | | AC07 or SAC08, then SAC05 tak | | |
| | | 208 is the allowance or | | - | |
| | | | quantity basis when the allowance | or charge | quantity is |
| | | 1 | e order or invoice quantity. | | |
| | | | ogether indicate a quantity range, | | d be a dollar |
| | | | to service, promotion, allowance, of | | ifia rafaranaa |
| | | ber as identified by the | ion with SAC02 or SAC04 to prove code used | vide a spec | inc reference |
| | | | ion with SAC13 to identify an opt | tion when t | here is more |
| | | one option of the pror | | aon when t | |
| | | | the language being used in SAC15 | 5. | |
| Comments: | | | quely identify the service, promot | | ance, or |
| | | | be used in conjunction to further t | | |
| | | | ons, it is necessary to advise the tr | | |
| | | | particular allowance, charge, or p | | |
| | | | amount is commonly referred to as $in the SAC accurate in SAC10 and in the SAC10$ | | |
| | | ars in SAC09. | in the SAC segment in SAC10 us | ing the qua | anner DO - |
| Notes: | | | ly one SAC. Multiple charges/allo | owances re | auire multiple |
| 10005 | SLN loor | <u>.</u> | iy one offer multiple enarges, and | o maneed re | quire munipre |
| | Required | | | | |
| | SAC*C* | D140***4539****KF | H*1234***1**GENERATION: 1 | 234 KWH | AT 3.678¢ |
| | PER KW | | | | , |
| | | | | | |
| | | | 4539****KH*1234***1**GENE | RATION: | 1234 KWH |
| | AT 3.678 | 8¢ PER KWH | | | |
| | | Data Floma | nt Summary | | |
| Ref. | Data | Data Elenie | nt Summary | | |
| Des. | <u>Element</u> | Name | | Att | tributes |
| SAC01 | 248 | Allowance or Charg | ge Indicator | M | |
| | | | s an allowance or charge for the se | ervice spec | ified |
| | | | Charge | | |
| SAC02 | 1300 | | Allowance, or Charge Code | X | ID 4/4 |
| SAC02 | 1300 | | service, promotion, allowance, or | | 11) 4/4 |
| | | | - | charge | |
| | | | Forwarding Charge | | |
| | | | Bill Ready - Actual Charges | | |
| SAC03 | 559 | Agency Qualifier C | | X | ID 2/2 |
| | | EU | Electric Utilities | 11 be acres | d upon hu |
| | | | Conditional – Use of this field wi the EDU and CRES. | n be agree | u upon by |
| 10BR (004010) V2.6.4 | | - | and CRES. | F | February 8, 2018 |

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| С | SAC04 | 1301 | Energy Charges | | X | AN 1/10 |
|---|---------|------|---------------------------|--|----------|--------------|
| | | | | Required – AEP & DP&L | F | |
| | | | ADJ002 | Not Used – Duke Energy Ohio & First | Energ | У |
| | | | BAS001 | Adjustment Basic Customer Charge | | |
| | | | BAS001 BAS002 | Special Billing Charge | | |
| | | | BUD001 | Budget Billing Amount | | |
| | | | BUD002 | Budget Billing Settlement | | |
| | | | DMD001 | Demand Charge | | |
| | | | ENC001 | Energy Charge | | |
| | | | ENC020 | Night Charge | | |
| | | | ENC022 | Flat Bill | | |
| | | | GEN001 GEN002 | Generation Charge Generation - Measured | | |
| | | | GEN002 GEN003 | Generation - Measured Generation - Adjusted | | |
| | | | GEN003 GEN004 | Generation - Billed | | |
| | | | GTC002 | Generation & Transmission | | |
| | | | GTC004 | Generation & Transmission - Billed | | |
| | | | LPC001 | Late Payment Charge | | |
| | | | ODL001 | Outdoor Lighting | | |
| | | (10 | TRN004 | Transmission Billed | 0 | |
| Μ | SAC05 | 610 | Amount | | 0 | N2 1/15 |
| | | | Monetary amount | | | |
| | | | | its own and will be signed if it is negati | ve. Th | ne SAC01 is |
| м | S A C00 | 255 | | mine the sign in the SAC05. | v | ID 2/2 |
| Μ | SAC09 | 355 | | Measurement Code | X | |
| | | | which a measureme | e units in which a value is being expressed | ed, or 1 | nanner in |
| | | | K1 | Kilowatt Demand | | |
| | | | K1 K2 | | | |
| | | | | Kilovolt Amperes Reactive Demand | | |
| | | | K3 | Kilovolt Amperes Reactive Hour | | |
| | | | K4 | Kilovolt Amperes | | |
| | | | KH | Kilowatt Hour | | |
| | | | MO | Months | | |
| Μ | SAC10 | 380 | Quantity | | Х | R 1/15 |
| | | | Numeric value of q | uantity | | |
| 0 | SAC13 | 127 | Reference Identifi | cation | Х | AN 1/30 |
| | | | Reference informat | tion as defined for a particular Transaction | n Set | or as |
| | | | | ference Identification Qualifier | | |
| | | | | int sequencing number to determine the | order t | hat the line |
| м | CA CIE | 250 | item will appear on | the bill. | • | AN 1/90 |
| Μ | SAC15 | 352 | Description | | X | AN 1/80 |
| | | | _ | ption to clarify the related data elements | | |
| | | | | ld is limited by each billing party. Check | | |
| | | | appropriate billing | party to verify the maximum length of th | is field | 1. |

| 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: | UNMET: Used to convey charges that apply to the unmetered services. |
| | Required if there are unmetered services on the account. |
| | IT1~1~~~SV~EL~C3~UNMET |
| | |
| | Data Element Summary |
| Ref. | Data |
| Des. | Element Name Attributes |

| | Kel. | Data | | | | |
|-----|-------|----------------|---|---|--------|-------------|
| | Des. | <u>Element</u> | <u>Name</u> | | Att | ributes |
| Μ | IT101 | 350 | Assigned Identific | cation | 0 | AN 1/20 |
| | | | Alphanumeric char | racters assigned for differentiation within a | a tran | saction set |
| | | | Sequential Line Ite | em Counter | | |
| Μ | IT106 | 235 | Product/Service I | D Qualifier | Х | ID 2/2 |
| | | | Code identifying th Product/Service ID SV | ne type/source of the descriptive number u 0 (234) Service Rendered | sed in | 1 |
| М | IT107 | 234 | Product/Service I | | х | AN 1/48 |
| IVI | 1110/ | 234 | | | Л | AIN 1/40 |
| | | | | r for a product or service | | |
| | | | There may be only | one commodity (Electric) for each 810 tra | ansact | tion. |
| | | | EL | Electric Service | | |
| Μ | IT108 | 235 | Product/Service I | D Qualifier | Х | ID 2/2 |
| | | | Code identifying th Product/Service ID C3 | ne type/source of the descriptive number u 0 (234) Classification | sed in | 1 |
| | IT109 | 234 | Product/Service I | D | Х | AN 1/48 |
| | | | Identifying number | r for a product or service | | |
| | | | UNMET | Indicates that charges are for unmetered | l serv | ices |
| | | | | 2 | | |

| | Segment: | DTN | Date/Time Reference (Service Period Start) | | | | |
|---|---------------------|--|---|------|----------------|--|--|
| | Position: | 150 | | | | | |
| | Loop: | IT1 | Optional | | | | |
| | Level: | Detail | - | | | | |
| | Usage: | Optional | | | | | |
| | Max Use: | 10 | | | | | |
| | Purpose: | 1 | y pertinent dates and times | | | | |
| | Syntax Notes: | | east one of DTM02 DTM03 or DTM05 is required. | | | | |
| | | | ΓM04 is present, then DTM03 is required. | | | | |
| | ~ | 3 If eit | her DTM05 or DTM06 is present, then the other is required. | | | | |
| | Semantic Notes: | | | | | | |
| | Comments: Notes: | | | | | | |
| | 10005. | The full service period should match the PTD~SU, PTD~BO and /or PTD~BD or BC loops, from the applicable 867. Required DTM~150~19991224 | | | | | |
| | | | Data Element Summary | | | | |
| | Ref. | Data | | | | | |
| | Des. | <u>Element</u> | Name | Attr | <u>ributes</u> | | |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 | | |
| | | | Code specifying type of date or time, or both date and time | | | | |
| | | | 150 Service Period Start | | | | |
| | | | Beginning Read Date | | | | |
| Μ | DTM02 | 373 | Date | Χ | DT 8/8 | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | Date expressed as CCYYMMDD | | | | |
| | | | | | | | |

| | Segment: | DTN | Date/Time Reference (Service Period End) | | | | | |
|---|-----------------|----------------|---|------|---------------|--|--|--|
| | Position: | 150 | | | | | | |
| | Loop: | IT1 | Optional | | | | | |
| | Level: | Detail | | | | | | |
| | Usage: | Optional | | | | | | |
| | Max Use: | 10 | | | | | | |
| | Purpose: | | y pertinent dates and times | | | | | |
| | Syntax Notes: | | east one of DTM02 DTM03 or DTM05 is required. | | | | | |
| | | | ΓM04 is present, then DTM03 is required. | | | | | |
| | | 3 If eit | her DTM05 or DTM06 is present, then the other is required. | | | | | |
| | Semantic Notes: | | | | | | | |
| | Comments: | T | | | <u>a</u> 1 | | | |
| | Notes: | | service period should match the PTD~SU, PTD~BO, and/or P | ID~B | C loops | | | |
| | | Required | applicable 867. | | | | | |
| | | - | | | | | | |
| | | DIM~IS | DTM~151~20000124 | | | | | |
| | | | Data Element Summary | | | | | |
| | Ref. | Data | • | | | | | |
| | Des. | <u>Element</u> | <u>Name</u> | Attr | <u>ibutes</u> | | | |
| Μ | DTM01 | 374 | Date/Time Qualifier | Μ | ID 3/3 | | | |
| | | | Code specifying type of date or time, or both date and time | | | | | |
| | | | 151 Service Period End | | | | | |
| | | | Ending Read Date | | | | | |
| Μ | DTM02 | 373 | Date | Х | DT 8/8 | | | |
| | | | Date expressed as CCYYMMDD | | | | | |
| | | | Date expressed as CCYYMMDD | | | | | |
| | | | 1 | | | | | |

| Segment: Position: Loop: | SLN Subline Item Detail 200 SLN Optional |
|--------------------------------|---|
| Level: | Detail |
| Usage: Max Use: | Optional 1 |
| Purpose: | To specify product subline detail item data |
| Syntax Notes: | 1 If either SLN04 or SLN05 is present, then the other is required. |
| Syntax rotost | 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. |
| Semantic Notes: | 13 If either SLN27 or SLN28 is present, then the other is required.1 SLN01 is the identifying number for the subline item. |
| Semantic Notes: | SLNOT 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 |
| | 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 IT1/SLN segment (Position 200) is used to overcome the limitation of 25 IT1/SAC |
| 11000051 | loops (Position 180). Each SLN loop will only contain one SAC. Multiple |
| | charges/allowances require multiple SLN loops. |
| | Required |
| | |
| | SLN~1~~A |
| | |
| Ref. | Data Element Summary Data |

| | Ref. | Data | | | |
|---|-------|----------------|---|---------|----------------|
| | Des. | Element | Name | Att | <u>ributes</u> |
| Μ | SLN01 | 350 | Assigned Identification | Μ | AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within | a trans | saction set |
| | | | Used as a loop counter | | |
| Μ | SLN03 | 662 | Relationship Code | Μ | ID 1/1 |
| | | | Code indicating the relationship between entities | | |
| | | | A Add | | |
| | | | | | |

| | SAC | | | | | |
|------------------|---|--|--|--|--|--|
| Segment: | ${f SAC}$ Service, Promotion, Allowance, or Charge Information | | | | | |
| Position: | 230 | | | | | |
| Loop: | SLN Optional | | | | | |
| Level: Usage: | Detail | | | | | |
| Max Use: | Optional 25 | | | | | |
| Purpose: | To request or identify a service, promotion, allowance, or charge; to specify the amount | | | | | |
| 1 arposet | 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. | | | | | |
| Semantic Notes: | 8 If SAC16 is present, then SAC15 is required. 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. | | | | | |
| Semantic Notes. | 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.SAC14 is used in conjunction with SAC13 to identify an option when there is more | | | | | |
| | SAC14 is used in conjunction with SAC15 to identify an option when there is more than one option of the promotion. 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: | Each SLN loop will contain only one SAC. Multiple charges/allowances require multiple | | | | | |
| 1.000050 | SLN loops. | | | | | |
| | Required | | | | | |
| | SAC~C~D140~~~4539~~~~KH~1234~~~1~~GENERATION: 1234 KWH AT 3.678¢ | | | | | |
| | PER KWH | | | | | |
| | | | | | | |
| | SAC~C~D140~EU~GEN001~4539~~~~KH~1234~~~1~~GENERATION: 1234 KWH | | | | | |
| | AT 3.678¢ PER KWH | | | | | |
| | Data Element Summary | | | | | |
| Ref. | Data | | | | | |
| Des. | Element Name Attributes | | | | | |
| SAC01 | 248Allowance or Charge IndicatorMID 1/1 | | | | | |
| | Code which indicates an allowance or charge for the service specified | | | | | |
| | C Charge | | | | | |
| SAC02 | 1300 Service, Promotion, Allowance, or Charge Code X ID 4/4 | | | | | |
| | Code identifying the service, promotion, allowance, or charge | | | | | |
| | D140 Forwarding Charge | | | | | |
| | | | | | | |

SAC03

559

М

М

С

Agency Qualifier Code

EU

Bill Ready - Actual Charges

Conditional – Use of this field will be agreed upon by

Electric Utilities

the EDU and CRES.

ID 2/2

Х

| С | SAC04 | 1301 | Energy Charges | | X | AN 1/10 |
|-----|--------|------|---------------------------|--|---------|--------------|
| | | | | Required – AEP & DP&L | | |
| | | | | Not Used – Duke Energy Ohio & First | Energ | У |
| | | | ADJ002 | Adjustment | | |
| | | | BAS001 | Basic Customer Charge | | |
| | | | BAS002 BUD001 | Special Billing Charge Budget Billing Amount | | |
| | | | BUD002 | Budget Billing Settlement | | |
| | | | DMD001 | Demand Charge | | |
| | | | ENC001 | Energy Charge | | |
| | | | ENC020 | Night Charge | | |
| | | | ENC022 | Flat Bill | | |
| | | | GEN001 | Generation Charge | | |
| | | | GEN002 | Generation - Measured | | |
| | | | GEN003 | Generation - Adjusted | | |
| | | | GEN004 | Generation - Billed | | |
| | | | GTC002 | Generation & Transmission | | |
| | | | GTC004 | Generation & Transmission - Billed | | |
| | | | LPC001 ODL001 | Late Payment Charge Outdoor Lighting | | |
| | | | TRN004 | Transmission Billed | | |
| М | SAC05 | 610 | Amount | Transmission Direct | 0 | N2 1/15 |
| | | | Monetary amount | | | |
| | | | This field stands or | h its own and will be signed if it is negatively $SAC05$ | ve. Tl | ne SAC01 is |
| Μ | SAC09 | 355 | | mine the sign in the SAC05. Measurement Code | X | ID 2/2 |
| 141 | SACO | 555 | | e units in which a value is being expresse | | |
| | | | which a measurem | | u, or 1 | |
| | | | K1 | Kilowatt Demand | | |
| | | | K2 | Kilovolt Amperes Reactive Demand | | |
| | | | K3 | Kilovolt Amperes Reactive Hour | | |
| | | | K4 | Kilovolt Amperes | | |
| | | | KH | Kilowatt Hour | | |
| | | | MO | Months | | |
| М | SAC10 | 380 | Quantity | Wontins | x | R 1/15 |
| | 511010 | 000 | Numeric value of c | uantity | | |
| 0 | SAC13 | 127 | Reference Identifi | | Х | AN 1/30 |
| | | | Reference information | tion as defined for a particular Transactio | n Set | or as |
| | | | specified by the Re | ference Identification Qualifier | | |
| | | | | int sequencing number to determine the o | | hat the line |
| | a | | | the bill. Not used for Rate Ready billing | - | |
| Μ | SAC15 | 352 | Description | | X | AN 1/80 |
| | | | - | ption to clarify the related data elements a | | |
| | | | | ld is limited by each billing party. Check | | |
| | | | appropriate billing | party to verify the maximum length of th | is fiel | d. |

TDS Total Monetary Value Summary

| 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: | If this amount is negative, send the minus sign. |
| | Required - The TDS will be the total charges for the current month, it will not include prior balances or adjustments. TDS~9875 (Represents \$98.75 the decimal is implied) |
| Def | Data Element Summary |
| Ref. | Data Element News |
| Des. | <u>Element Name</u> <u>Attributes</u> |

TDS01 M N2 1/15 610 Amount Monetary amount Total amount of non-billing party's invoice 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.

OH810BR (004010) V2.6.4

М

CTT

| Segment: | CIT 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 c and correctness. | ompleteness |
| Notes: | Required | |
| | CTT~5 | |
| | Data Element Summary | |
| Ref. | Data | |
| Des. | Element Name Att | tributes |
| CTT 01 | 354 Number of Line Items M | N0 1/6 |

Total number of line items in the transaction set

The number of IT1 segments.

Μ

SE Transaction Set Trailer Segment: **Position:** 080 Loop: Level: Summary Usage: Mandatory Max Use: 1 To indicate the end of the transaction set and provide the count of the transmitted **Purpose:** segments (including the beginning (ST) and ending (SE) segments) Syntax Notes: **Semantic Notes: 1** SE is the last segment of each transaction set. **Comments:** Notes: Required SE~35~00000001 **Data Element Summary** Date n . c

| | Ref. | Data | | | |
|---|------|----------------|--|--------|-----------|
| | Des. | <u>Element</u> | Name | Attr | ributes |
| Μ | SE01 | 96 | Number of Included Segments | Μ | NO 1/10 |
| | | | Total number of segments included in a transaction set inclu segments | ding S | ST and SE |
| Μ | SE02 | 329 | Transaction Set Control Number | Μ | AN 4/9 |
| | | | Identifying control number that must be unique within the transaction functional group assigned by the originator for a transaction set | | |

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Case No(s). 18-0338-EL-EDI

Summary: Application EDI Implementation Guideline for Ohio - 810 LDC Invoice Bill Ready electronically filed by Mr. Joseph D Lindsay on behalf of Ohio EDI Working Group