**Pennsylvania**

**New Jersey**

**Delaware**

**Maryland**

Implementation

Guideline

**For**

**Electronic Data Interchange**

**TRANSACTION SET**

**814**

**Change**

Request and Response

**Ver/Rel 004010**

**Table of Contents**

[Summary of Changes 4](#_Toc477596254)

[General Notes 7](#_Toc477596255)

[Pennsylvania Notes 11](#_Toc477596256)

[New Jersey Notes 12](#_Toc477596257)

[Delaware Notes 12](#_Toc477596258)

[Maryland Notes 13](#_Toc477596259)

[How to Use the Implementation Guideline 14](#_Toc477596260)

[X12 Structure 15](#_Toc477596261)

[Data Dictionary for 814 Change 16](#_Toc477596262)

[Segment: ST Transaction Set Header 22](#_Toc477596263)

[Segment: BGN Beginning Segment 23](#_Toc477596264)

[Segment: N1 Name (8S=LDC Name) 24](#_Toc477596265)

[Segment: N1 Name (SJ=ESP Name) 25](#_Toc477596266)

[Segment: N1 Name (G7=Renewable Energy Provider Name) 26](#_Toc477596267)

[Segment: N1 Name (8R=Customer Name) 27](#_Toc477596268)

[Segment: N3 Address Information 29](#_Toc477596269)

[Segment: N4 Geographic Location 30](#_Toc477596270)

[Segment: PER Administrative Communications Contact 31](#_Toc477596271)

[Segment: N1 Name (BT=Bill Address) 32](#_Toc477596272)

[Segment: N3 Address Information 33](#_Toc477596273)

[Segment: N4 Geographic Location 34](#_Toc477596274)

[Segment: PER Administrative Communications Contact 35](#_Toc477596275)

[Segment: N1 Name (PK=Party to receive Copy of Notices) 36](#_Toc477596276)

[Segment: N3 Address Information 37](#_Toc477596277)

[Segment: N4 Geographic Location 38](#_Toc477596278)

[Segment: PER Administrative Communications Contact 39](#_Toc477596279)

[Segment: N1 Name (2C=Party to Receive Copy of Bills) 40](#_Toc477596280)

[Segment: N3 Address Information 41](#_Toc477596281)

[Segment: N4 Geographic Location 42](#_Toc477596282)

[Segment: PER Administrative Communications Contact 43](#_Toc477596283)

[Segment: LIN Item Identification 44](#_Toc477596284)

[Segment: ASI Action or Status Indicator 46](#_Toc477596285)

[Segment: REF Reference Identification (TD=Reason for Change) 47](#_Toc477596286)

[Segment: REF Reference Identification (7G=Rejection Reason) 51](#_Toc477596287)

[Segment: REF Reference Identification (1P=Status Reason Code) 54](#_Toc477596288)

[Segment: REF Reference Identification (11=ESP Account Number) 56](#_Toc477596289)

[Segment: REF Reference Identification (12=LDC Account Number) 57](#_Toc477596290)

[Segment: REF Reference Identification (45=LDC Old Account Number) 58](#_Toc477596291)

[Segment: REF Reference Identification (AN=Aggregate Net Energy Meter Role) 59](#_Toc477596292)

[Segment: REF Reference Identification (BF=LDC Billing Cycle) 60](#_Toc477596293)

[Segment: REF Reference Identification (BLT=Billing Type) 61](#_Toc477596294)

[Segment: REF Reference Identification (PC=Bill Calculator) 62](#_Toc477596295)

[Segment: REF Reference Identification (SPL=PJM LMP Bus) 63](#_Toc477596296)

[Segment: REF Reference Identification (17=Summary Interval) 64](#_Toc477596297)

[Segment: REF Reference Identification (KY=Special Meter Configuration) 65](#_Toc477596298)

[Segment: DTM Date/Time Reference (007=Change Effective Date) 67](#_Toc477596299)

[Segment: DTM Date/Time Reference (150=Service Start Date) 68](#_Toc477596300)

[Segment: DTM Date/Time Reference (151=Service End Date) 69](#_Toc477596301)

[Segment: AMT Monetary Amount (7N=Participating Interest) 70](#_Toc477596302)

[Segment: AMT Monetary Amount (QY=Eligible Load Percentage) 71](#_Toc477596303)

[Segment: AMT Monetary Amount (DP=Tax Exemption Percent) 72](#_Toc477596304)

[Segment: AMT Monetary Amount (F7=Tax Exemption Percent-State Sales Tax) 74](#_Toc477596305)

[Segment: AMT Monetary Amount (5J=Load Management Device – Air Conditioner) 75](#_Toc477596306)

[Segment: AMT Monetary Amount (L0=Load Management Device – Water Heater) 76](#_Toc477596307)

[Segment: AMT Monetary Amount (KC=Peak Load Capacity) 77](#_Toc477596308)

[Segment: AMT Monetary Amount (KZ=Network Service Peak Load) 78](#_Toc477596309)

[Segment: NM1 Individual or Organizational Name 79](#_Toc477596310)

[Segment: REF Reference Identification (TD=Reason for Change –Meter Level) 81](#_Toc477596311)

[Segment: REF Reference Identification (46=Old Meter Number) 83](#_Toc477596312)

[Segment: REF Reference Identification (LF=Loss Factor) 84](#_Toc477596313)

[Segment: REF Reference Identification (LO=Load Profile) 85](#_Toc477596314)

[Segment: REF Reference Identification (NH=LDC Rate Class) 86](#_Toc477596315)

[Segment: REF Reference Identification (PR=LDC Rate Subclass) 87](#_Toc477596316)

[Segment: REF Reference Identification (RB=ESP Rate Code) 88](#_Toc477596317)

[Segment: REF Reference Identification (SV=Service Voltage) 89](#_Toc477596318)

[Segment: REF Reference Identification (TZ=LDC Meter Cycle) 90](#_Toc477596319)

[Segment: REF Reference Identification (MT=Meter Type) 91](#_Toc477596320)

[Segment: REF Reference Identification (4P=Meter Multiplier) 93](#_Toc477596321)

[Segment: REF Reference Identification (IX=Number of Dials/Digits) 94](#_Toc477596322)

[Segment: REF Reference Identification (TU=Type of Metering) 95](#_Toc477596323)

[Segment: SE Transaction Set Trailer 96](#_Toc477596324)

[814 Change Examples 97](#_Toc477596325)

[Example: Change Request – Adding Two Meters 97](#_Toc477596326)

[Example: Accept Change Response – Adding Two Meters 98](#_Toc477596327)

[Example: Reject Change Response – Adding Two Meters 98](#_Toc477596328)

[Example: Change Request – Removing Two Meters from an Account 99](#_Toc477596329)

[Example: Change Request – One-to-One Meter Exchange 100](#_Toc477596330)

[Example: Change Request – Two-to-One Meter Exchange 101](#_Toc477596331)

[Example: Change Request – One-to-Two Meter Exchange 102](#_Toc477596332)

[Example: Change Request – Metered-to-Unmetered Exchange 104](#_Toc477596333)

[Example: Change Request – ESP Changing Rate Ready Rate Code 105](#_Toc477596334)

[Example: Change Request – Meter Attribute(s) Change 106](#_Toc477596335)

[Example: Change Request – Load Profile, LDC Rate Class and Subclass Change – for specific meter 107](#_Toc477596336)

[Example: Change Request – Load Profile, LDC Rate Class and Subclass Change – for ALL meters 108](#_Toc477596337)

[Example: Request – Change in Meter Read Cycle (no switch pending) 109](#_Toc477596338)

[Example: Change Request – Customer Name and/or Service Address 110](#_Toc477596339)

[Example: Change Request – Billing Cycle 111](#_Toc477596340)

[Example: Change Request – DUAL bill to LDC Rate Ready 112](#_Toc477596341)

[Example: Change Request – DUAL to Bill Ready 113](#_Toc477596342)

[Example: Change Request – Bill Ready to DUAL 114](#_Toc477596343)

[Example: Request – Change in Percentage of Service Supplied 115](#_Toc477596344)

[Example: Request – Change in Percentage of Service Tax Exempt 116](#_Toc477596345)

[Example: Request – Change in Peak Load Capacity 117](#_Toc477596346)

[Example: Request – Change in Network Service Peak Load 118](#_Toc477596347)

[Example: Request - Change Eligible Load Percentage 119](#_Toc477596348)

[Example: Request - Change Service Period Start 120](#_Toc477596349)

[Example: Request - Change Service Period End 121](#_Toc477596350)

[Example: Request - Change in Party to receive copy of bills 122](#_Toc477596351)

[Example: Request - Delete Party to receive copy of bills 123](#_Toc477596352)

[Example: Request - Add Party to receive copy of notices (not bills) 124](#_Toc477596353)

[Example: Request - Delete Party to receive copy of Notices (not bills) 125](#_Toc477596354)

[Example: Accept Response - Delete Party to receive copy of Notices (not bills) 125](#_Toc477596355)

[Example: Reject Response - Delete Party to receive copy of Notices (not bills) 125](#_Toc477596356)

[Example: Request - Change in Billing Address 126](#_Toc477596357)

[Example: Request – Change ESP Account Number for Customer 127](#_Toc477596358)

[Example: Request – Change in Interval Status 128](#_Toc477596359)

[Example: Request – Change Renewable Energy Provider Account Number for Customer 129](#_Toc477596360)

|  |  |  |
| --- | --- | --- |
|  |  | Summary of Changes |
| August 27, 1999  Version 1.0 |  | * Added note section 3 under Meter Addition and Exchanges, when Meter Read Cycle is changed. * Added an example to indicate a Meter Read Cycle change. * Removed redlines, performed spell check, formatting changes. |
| August 31, 1999  Version 1.1 |  | * Removed redlines, performed spell check, formatting changes. |
| October 2, 1999  DRAFT Version 1.1a |  | * Set realistic dates in DTM\*007 dates in Examples * Clarified use of DTM\*007 * Added clarifying note to Unknown LIN05 codes in Notes section * Added tables on 2 REF\*TD pages stating what changes will ultimately be required by state and implementation date. * Clarified PSE&G use of REF\*45 * Clarified NJ use of capacity and transmission obligation changes |
| November 4, 1999  Version 1.2 |  | This is a FINAL version for Pennsylvania and New Jersey |
| November 1999  Draft version 1.2MD1 |  | * Add Maryland use to document – the changes were added to the version 1.2 of the regional standards * Add Table of Contents   Maryland Open Items   * AMT\*DP – need ability to indicate what taxes the tax exemption percent applies to * Need ability to indicate load cycling device * Need ability to indicate customer is on special billing cycle (every other month) – APS * Can each LDC provide effective date (DTM\*007) for day 1? * Several other fields specific utilities were looking into |
| December 1999  Draft version 1.2MD2 |  | Added Data Dictionary |
| December 23, 1999  Version 1.2MD3 |  | * Modified Data Dictionary Customer Name and Billing Name length to allow for 60 for Maryland * Clarified APS use of N1\*2C (Party to Receive Copy of Bills) * Added 4 new AMT segments for the Maryland taxes (AAO-Local/County tax, BAK-Franchise tax, F7-State Sales Tax, N8-Environmental tax) * Added 2 new AMT segments for Load Management program (L0-Water Heater, 5J-Air Conditioners) |
| January 17, 2000  Version 1.2MD4 |  | * Add ability for supplier to change billing address if the supplier is providing ESP consolidated bill * Added Rejection Reason codes ANQ (Billing Agent not certified by utility) and C02 (customer on credit hold) to support ESP Consolidated Billing in PA * Added Rejection Reason code MTI (Maintenance Type Code Invalid) |
| February 24, 2000  Version 1.2MD5 |  | * Clarified County field for N1\*8R for Maryland * Added City tax for MD * Renumbered items in Data Dictionary for addition of City tax * Add REF\*TD for City Tax * Add REF03 on REF\*TD for Load Cycling devices (Air conditioner=AMT\*5J, Water Heater=AMT=L0) * Required changes for Market Opening for MD: Customer Name (all), Billing Address (all), Interval Detail (for PEPCO, BGE) * Allow Load Mgmt device changes to be sent in same LIN loop for MD (AMT\*5J and AMT\*L0) * Clarified use of Old Account Number (REF\*45) * Correct spelling of PJM LMP Bus * Document what DTM\*007 means for each LDC in MD * PA Change Control 011 – Add A91 as valid reject code |
| March 31, 2000  Version 1.2MD6 |  | * Clarified use of DTM\*007 for MD * Correct Dual to Rate Ready example to reflect ESP rate code * This transaction is considered FINAL for Maryland |
| March 31, 2000  Version 1.2MD7 |  | Corrected LIN examples from LIN\*SH to LIN\*1\*SH |
| May 14, 2000  Version 1.3 |  | * Incorporate PA Change Request X020 – Two new REF\*7G codes (NCB and NEB) for supplier consolidated billing * Incorporate PA Change Request X021 – Correct Notes section on required field when switching from Rate ready to Bill Ready or Bill Ready to Rate Ready * Incorporate PA Change Request X022 – Add clarification to Bill Cycle (REF\*BF) as it relates to summary billing * Incorporate MD Change Control M001 – Several tax exemption segments had been added for MD use. After further review, it was determined they are not needed to support generation charges. As MD was only state using these segments, the segments will be removed from the document. They are AMT\*C (City Tax), AMT\*BAK (Franchise Tax), AMT\*AAO (County/Local Tax) and the AMT\*N8 (Environmental Tax) segments. * This document is a new finalized version of PA and MD. NJ is still using Version 1.2. |
| August 11, 2000  Version 1.3a |  | * REF\*BF – modify NJ Use to reflect what use is. Note that had been added for PA was only addressed for PA. Indicate DE Delmarva and MD as same as NJ. * Indicate PSEG does not provide Bill Address information (N1\*BT). * REF\*7G responses for CE – Indicate following codes are not valid for NJ: ANQ, NCB, NEB, C02 * Change LIN\*1 to LIN\*23451 to minimize confusion with people thinking this is a counter within the transaction. * Incorporate PA Change Control X027 - Modify DTM\*007 to indicate this may be sent by a supplier for a N1\*BT change if the supplier is providing a consolidated bill. |
| September 10, 2000  Version 1.4 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Delmarva only). |
| January 10, 2001  Version 2.0 |  | PSEG CAS changes   * NJ Notes – added Billing type to LDC changes page 11 * REF\*BLT (Billing Type) – Changed note page 62 * REF\*7G (rejection Reason Code) update code “CO2” to also be valid in NJ page 57 |
| October 19, 2001  Version 2.0rev01 |  | * Incorporate PA Change Control 035 – Allow optional inclusion of “A” in REF\*03 on REF\*TD\*N1PK * Incorporate PA Change Control 033 – Allow optional inclusion of N1, N3, N4 segments when deleting party to receive copy of notices (REF\*TD\*N1PK) * Incorporate Delaware Electric Coop (DEC) information for Delaware * Incorporate PA Change Control 029 – ESP Account number should exclude punctuation, and must include significant leading and trailing zeros. * Correct Data Element number (352) for REF03 in REF\*BF and REF\*SPL segments |
| December 13, 2001  Version 2.0rev02 |  | Incorporate PA Change Control 038 – add clarification that PPL EU will send an accept transaction for an SNP response. Also, change PPL / PP&L to PPL EU. |
| January 9, 2002  Version 3.0 |  | * Incorporate SMECO specific comments for MD (MD Change Control 003)   This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. |
| January 20, 2006  Version 3.0.1D |  | * Incorporate NJ Change Controls 004 (Update transaction to reflect actual practices) * Incorporate NJ Change Control 005 (NJ CleanPower program changes) * Incorporate PA Change Control 42 - Modify language throughout EDEWG 814 change, enrollment, & reinstatement transactions to agree with the data dictionary for the LIN. Wording change is related to removal of word ‘obligation’ and replacement with ‘*contribution’*. * Deleted note in first bullet under General Notes section, Unknown LIN05 codes, PA Rules. Also deleted all references to the SNP code in the REF\*7G. The SNP code is not longer be in use by any PA EDC * Note: NJ Change Control 004 included ensuring separate boxes for each state’s notes. The text of the other state’s notes did not change |
| October 23, 2006  Version 3.0.2D |  | * Incorporate NJ Change Control 008 to reflect NJ CleanPower – unmetered usage for RECO) * Incorporate NJ Change Control 009 to reflect NJ CleanPower change for partial usage. |
| February 12, 2007  Version 3.0.3F |  | * Incorporate PA Change Control 044 to correct example (REF\*RB) * Considered FINAL for PA and NJ |
| February 22, 2009  Version 3.0.4D |  | * Incorporate NJ Change Control PSEG-E-Ref45 |
| January 24, 2010  Version 3.1 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. |
| November 4, 2010  Version 3.1.1D |  | * Incorporate PA Change Control 060 (Admin/Cleanup for PA) * Incorporate PA Change Control 065 (Add REFLF and REFSV to NM1 loop) * Incorporate PA Change Control 073 (Modify language throughout EDEWG 814 change, enrollment, & reinstatement transactions to update wording of AMT\*KC and AMT\*KZ to reflect appropriate PJM terminology. AMTKC = PLC & AMTKZ=NSPL * Incorporate MD Change Control – Admin (Admin/Cleanup changes for MD) |
| February 28, 2011  Version 4.0 |  | This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. |
| February 16, 2012  Version 4.01 |  | * Incorporate PA Change Control 085 (REF\*KY) * Incorporate PA Change Control 090 (REF03 in REF\*KY) * Incorporate PA Change Control 093 (Admin Updates) * Incorporate MD Change Control 010 (PEPCO AMI/Smart Meter Support) |
| March 8, 2013  Version 6.0 |  | * Moving to v6.0 to align versions across all transaction sets * Cleaned up references to Allegheny and APS throughout document * Incorporate PA Change Control 095 (REF03 in REF\*KY) * Incorporate PA Change Control 096 (clarify AMT\*DP) * Incorporate PA Change Control 097 (PECO Summary/Interval Support) * Incorporate PA Change Control 102 (increase REF\*BF length in Data Dictionary) * Incorporate MD Change Control 012 (add NIA to REF02 values in REF\*7G) * Incorporate MD Change Control 014 (make REF\*LF & REF\*SV same as PA) |
| March 17, 2014  Version 6.1 |  | * Incorporate MD Change Control 020 (PHI new CIS, changes to 814C) * Incorporate MD Change Control 028 (BGE support of 867IU) * Incorporate MD Change Control 030 ((Net Meter Indicator in REF\*KY) * Incorporate NJ Change Control Electric 015 (Net Meter Indicator in REF\*KY) * Incorporate NJ Change Control Electric 024 (ACE new CIS, changes to 814C) * Incorporate NJ Change Control Electric 031 (Rockland removal from IG) * Incorporate NJ Change Control Electric 032 (PSE&G admin updates) |
| February 18, 2015  Version 6.2 |  | * Incorporate PA Change Control 118 (EGS response optional) |
| February 5, 2016  6.3 |  | * Incorporate PA Change Control 124 (Optional use of AMTKC & AMTKZ) |
| March 14, 2017  Version 6.4 |  | * Incorporate MD Change Control 044 (Aggregate Net Energy Metering family identifier in REF\*AN) |

|  |  |  |
| --- | --- | --- |
|  |  | General Notes |
| Tracking number on Request and Response transactions |  | On the request, the LIN01 is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time, and is assigned by the sender of the request transactions. This number must be returned on the response transaction (accept or reject), in the same element (LIN01). |
| One Account per 814 |  | One customer account per 814. |
| Warning, Providing Data without a REF\*TD |  | * Requester should only send data segment(s) that they want changed. * Until LDCs have the programming in place to ignore the extra data, they may process the changes regardless of REF\*TD being provided for that data segment   Example :  REF\*TD\*AMT7N  AMT\*7N Receiver must process due to REF\*TD being present.  AMT\*KC Receiver may/may not process this segment as a change. |
| Multiple LINs |  | * There may be multiple detail LIN loops for each customer account. * It is important that the sender order the LIN loops in the order they would like them processed for all primary services. * Refer to the LIN segment within this document for a better understanding of primary and secondary services. * The sender may send one service per account per 814 instead of using multiple LIN segments. |
| Response per LIN |  | * There must be one response LIN for each request LIN. * These responses may be created and sent at different times in different 814 transactions, but all LINs must be responded to within the time limits set by the Commission. (see Pennsylvania notes section below for additional PA information) |
| Rejection vs. Acceptance with Status Reason code |  | A Status Reason code is different than a Rejection Reason code. The Status Reason code is used to give additional information to the receiving party (an FYI). For example, if a request for Historical Usage is sent and the transaction is valid, but historical usage is not available for that customer, the transaction is accepted and a status reason code is provided to explain that the historical usage will not be sent. If a transaction is rejected, the requester is expected to follow up and resubmit; whereas if a transaction is accepted with a status reason code, the requester is not expected to take any further action. |
| Meter Additions, Removals, Exchanges and Meter Level Information Changes |  | Assumptions:   1. There will be only one NM1 Loop per Meter or Unmetered Service (i.e., if a meter has multiple units of measure, they will all be represented within the one NM1 loop). 2. The NM101 indicates the action to be taken for the specified meter 3. If a meter reading date (meter reading cycle) is changed, LDC may need to notify any suppliers of the consequent change in their effective start or end dates. LDC will send these changes (REFTZ, REFBF, and either DTM150 or DTM151) concurrently and along with effective start or end date. 4. What must be sent?  * Meter Addition:   NM1\*MA  REF\*TD\*NM1MA  All Meter Level Information for the new meter   * Meter Level Information Change: * For change in the items listed below:   Load Profile (REF\*LO) \*  LDC Rate Class (REF\*NH) \*  LDC Rate Subclass (REF\*PR) \*  ESP Rate Code (REF\*RB)  Meter Cycle (REF\*TZ)  The following must be sent:  NM1\*MQ  REF\*TD(s) associated with segment(s) listed above  Item that is changing  \* The Load Profile, LDC Rate Class and LDC Rate Subclass may be sent in combination on one 814 Change transaction or separately.   * For change in the meter attributes listed below:   Meter Type (REF\*MT)  Meter Constant (REF\*4P)  Number of Dials (REF\*IX)  Information Sent on 867 (REF\*TU)  The following must be sent:  NM1\*MQ  REF\*TD\*NM1MQ  REF\*MT  REF\*4P for each Unit of Measure  REF\*IX fore each Unit of Measure  REF\*TU for each Meter Type for each Unit of Measure  \* Note that a change in any one of these attributes requires that all attributes be resent.   * Meter Removal:   NM1\*MR  REF\*TD\*NM1MR  Meter Exchange :  The following must be sent :  NM1\*MX  REF\*TD\*NM1MX (Required for Request, Optional for Response)  REF\*MT  REF\*4P  REF\*IX  REF\*TU  REF\*LO  REF\*NH  REF\*PR  REF\*RB  REF\*TZ  REF\*46 (implies meter removed)   1. Expectations:  * **Add Meter(s)**:   One NM1\*MA Loop for each meter added   * **Meter Level Information Change** * One NM1\*MQ Loop with the appropriate change(s) for that meter. Please see rules regarding which changes may be sent in combination. * **Remove Meter(s)**:   One NM1\*MR Loop for each meter removed   * **1-to-1 Exchange**: One old meter replaced with one new meter   One NM1\*MX Loop   * **1-to-2 Exchange**: One old meter replaced with two new meters   One NM1\*MX Loop, One NM1\*MA Loop for the meter being added  **2-to-1 Exchange**: Two old meters replaced with one new meter  One NM1\*MX Loop including the old meter number of the meter exchanged One NM1\*MR Loop for the meter being replaced. |
| Use of REF\*TD segment |  | * The REF\*TD segment is used to indicate to the receiver what type of change to expect. At least one REF\*TD is required on a Request transaction. The REF\*TD(s) may optionally be returned on the Response transaction. * The REF\*TD will be located in one of two locations within the document. * Any field that changes within the Header or LIN level will have the associated REF\*TD in the LIN loop * Any field that changes within the NM1 loop will have the associated REF\*TD in the NM1 loop. * Example: If ESP account number is being changed, the document will contain a segment REF\*TD\*REF11 as well as the associated REF\*11 segment with the new ESP Account Number (REF\*11\*2349710802189) |
| Changing related fields as it relates to one change per LIN |  | The transaction is intended to have only one change per LIN loop. It is recognized that there are a few fields that must be sent in conjunction with each other to take effect. The only valid fields that may be sent in combination are the ones documented here. If any other changes are sent in combination within one LIN/NM1 loop, they may be rejected by the receiving party.   * Change from DUAL Bill to LDC Rate Ready * Following REF\*TD codes must be sent: REF\*TD\*REFBLT, REF\*TD\*REFPC, REF\*TD\*REFRB, and REF\*TD\*AMTDP   **Note:** REF\*TD\*REFRB is in NM1 loop.   * Following fields must be sent: Bill type (REF\*BLT), Bill Calculator (REF\*PC), ESP Rate Code (REF\*RB), Tax Exemption Percent (AMT\*DP). * Change from DUAL Bill to LDC Bill Ready * Following REF\*TD code must be sent: REF\*TD\*REFBLT * Following field must be sent: Bill type (REF\*BLT) * Change from LDC Rate Ready to DUAL Bill * Following REF\*TD codes must be sent: REF\*TD\*REFBLT and REF\*TD\*REFPC * Following fields must be sent: Bill type (REF\*BLT), Bill Calculator (REF\*PC) * LDC will initialize following fields - ESP Rate Code (REF\*RB), Tax Exemption Percent (AMT\*DP). * Change from LDC Bill Ready to DUAL Bill * Following REF\*TD codes must be sent: REF\*TD\*REFBLT * Following field must be sent: Bill type (REF\*BLT) * Change from LDC Rate Ready to LDC Bill Ready Bill * Following REF\*TD code must be sent: REF\*TD\*REFPC * Following field must be sent: Bill Calculator (REF\*PC) * Change from LDC Bill Ready to LDC Rate Ready Bill * Following REF\*TD codes must be sent: REF\*TD\*REFPC, REF\*TD\*REFRB, REF\*TD\*AMTDP   **Note:** REF\*TD\*REFRB is in NM1 loop.   * Following field must be sent: Bill Calculator (REF\*PC), ESP Rate Code (REF\*RB), Tax Exemption Percent (AMT\*DP) * If customer is already LDC Rate Ready, and only the ESP Rate Code (REF\*RB) is changing, this may be sent alone. The associated REF\*TD will be REF\*TD\*REFRB. * If customer is already LDC Rate Ready, and only the Tax Exemption Percent (AMT\*DP) is changing, this may be sent alone. The associated REF\*TD will be REF\*TD\*AMTDP. |
| Response Transaction |  | * The Change Response Transaction will be formatted as follows: * An Accept Response will provide the “Required” fields and the optionally REF\*TD(s) from the Request Transaction. It will not provide the segment that was changed. * A Reject Response will provide the “Required” fields, the rejection reason and optionally the REF\*TD(s) from the Request Transaction. It may also provide, optionally, the segments that were in error. |
| Adding ESP Account Number |  | Note that the change transaction may be used to request that the LDC start to carry the ESP account number, if one had not been provided on the initial Enrollment Request transaction. |
| Interval Summary |  | * Changing the Summary Interval option requires a separate LIN loop from all other changes. * Requires LIN05=SI, whereas all other changes require LIN05=CE |
| LDC Definitions: |  | The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:   * EDC – Electric Distribution Company (Pennsylvania, Delaware) * LDC – Local Distribution Company (New Jersey) * EC – Electric Company (Maryland) |
| ESP Definitions: |  | The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:   * EGS – Electric Generation Supplier (Pennsylvania) * TPS – Third Party Supplier (New Jersey) * ES – Electric Supplier (Delaware) * ES – Electricity Supplier (Maryland) |
| Renewable Energy Provider Definition: |  | The term Renewable Energy Provider in this document refers to the party that provides Renewable Energy Credits (RECs). This party does not provide generation to the account. Each state may refer to the Renewable Energy Provider by a different acronym:   * GPM – Green Power Marketer (New Jersey)   **Note:** The transaction will either have an ESP or a Renewable Energy Provider, but not both. |

|  |  |  |
| --- | --- | --- |
|  |  | Pennsylvania Notes |
| LDC Initiated Changes |  | If the following fields are changed within the utility’s system, a supporting 814 Change document must be sent to the supplier:   * LDC account number * Meter read cycle * Customer name * Service Address * Capacity contribution * Transmission contribution   PECO only - the Capacity and Transmission contribution changes are not sent via EDI 814 Change. Instead PECO updates these values and posts to their electric supplier website. Annual updates are posted in December and updated weekly to add new accounts, corrections, etc.  All other changes are considered optional upon implementation of version 4010. They may be made mandatory at a later time. Please refer to the two REF\*TD pages for the required implementation dates for Pennsylvania. |
| ESP Initiated Changes |  | The utilities must support receiving the following changes:   * ESP account number * Interval data – summary or detail (If utility allows by account number) * Billing determinants of Bill type, Bill Calculator, EGS Rate Code (Rate Ready), tax exemption percent (Rate Ready) |
| Unknown LIN05 codes |  | If an LDC receives a request for a service that the state does not support, the LDC should **reject** it with a REF\*7G\*SDE\*SERVICE DOES NOT EXIST |
| Response Transactions |  | The EGS has the option of sending 814 change response transactions to the LDC. The 997 Functional Acknowledgement is required by all parties. In the event the EGS opts out of sending the 814 response, the 997 becomes more critical being the proof the EGS processed the utility request. |

|  |  |  |
| --- | --- | --- |
|  |  | New Jersey Notes |
| LDC Initiated Changes |  | If the following fields are changed within the utility’s system, a supporting 814 Change document must be sent to the supplier:   * LDC account number * Meter read cycle * Billing cycle * Peak Load Contribution * Network Service Peak Load * Billing Type * Interval data – summary or detail (If utility allows by account number)   All other changes are considered optional upon market opening. They may be made mandatory at a later time. Please refer to the two REF\*TD pages for the required implementation dates for Delaware. |
| ESP Initiated Changes |  | The utilities must support receiving the following changes:   * ESP account number * Billing determinants of Bill type, Bill Calculator, ESP Rate Code (Rate Ready), tax exemption percent (Rate Ready) |
| Unknown LIN05 codes |  | If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |
| Requesting Summary Only information for  Monthly Interval Data |  | Details for each EDC:   * PSE&G – all interval accounts will receive interval details. Accounts that have both interval and non-interval meters will receive the 867IU with information relating to both interval and non-interval meters. * JCP&L and Atlantic City Electric – A supplier can request to receive either interval detail (867IU) or interval summary (867MU) by sending an 814 Change transaction with a LIN loop with LIN05 = SI and REF\*17\*SUMMARY (for an 867 MU) or a LIN loop with LIN05 = SI and REF\*17\*DETAIL (for an 867 IU). |

|  |  |  |
| --- | --- | --- |
|  |  | Delaware Notes |
| LDC Initiated Changes |  | If the following fields are changed within the utility’s system, a supporting 814 Change document must be sent to the supplier:   * LDC account number * Meter read cycle * Billing cycle * Peak Load Contribution * Network Service Peak Load   All other changes are considered optional upon market opening. They may be made mandatory at a later time. Please refer to the two REF\*TD pages for the required implementation dates for Delaware. |
| ESP Initiated Changes |  | The utilities must support receiving the following changes:   * ESP account number * Billing determinants of Bill type, Bill Calculator * Interval data – summary or detail (If utility allows by account number) |
| Unknown LIN05 codes |  | **DE (Delmarva) Rules:**  If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |

|  |  |  |
| --- | --- | --- |
|  |  | Maryland Notes |
| LDC Initiated Changes |  | If the following fields are changed within the utility’s system, a supporting 814 Change document must be sent to the supplier:   * LDC account number * Meter read cycle * Billing cycle * Customer Name * Billing Address * Interval Detail (for BGE and PEPCO only) * Peak Load Contribution * Network Service Peak Load   All other changes are considered optional upon market opening. They may be made mandatory at a later time. Please refer to the two REF\*TD pages for the required implementation dates for Maryland. |
| ESP Initiated Changes |  | The utilities must support receiving the following changes:   * ESP account number * Billing determinants of Bill type, Bill Calculator, ESP Rate Code (Rate Ready), tax exemption percents (Rate Ready)   Interval data – summary or detail sent in LIN=SI with REF\*17. |
| Sending of Load Mgmt Device changes |  | Maryland will support sending changes for the Load Mgmt devices in the same LIN loop or separate LIN loops. That is, an LDC could send either of the following:   * one LIN loop with both the REF\*TD\*AMTL0 and the REF\*TD\*AMT5J * the LDC could send 2 LIN loops, one for the REF\*TD\*AMTL0 change and one for the REF\*TD\*AMT5J change |
| Unknown LIN05 codes |  | If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED |

# 

# How to Use the Implementation Guideline

**Segment: REF Reference Identification**

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

**Position:** 030

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

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

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

The “Notes:” section generally contains notes by the Utility Industry Group (UIG).

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Recommended by UIG | |
| **PA Use:**  This section is used to show the individual State’s Rules for implementation of this segment. |  | Must be identical to account number as it appears on the customer’s bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. | |
|  |  | Request:  Accept Response:  Reject Response: | Required  Required  Required |
| **NJ Use:** |  | Same as PA | |
| **Example:**  One or more examples. |  | REF\*12\*2931839200 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 12 |  | Billing Account | | |
|  | | | | | | LDC-assigned account number for end use customer. | | |
| **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 | | | | | | |

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value,

ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the use of each data element. If state rules differ, this will show “Conditional” and the conditions will be explained in the appropriate grayboxes.

**814 General Request, Response or Confirmation**

# X12 Structure

**Functional Group ID=GE**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Must Use | 010 | ST | Transaction Set Header | M | 1 |  |  |  |  |  |  |  |  |
| Must Use | 020 | BGN | Beginning Segment | M | 1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - N1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 040 | N1 | Name | O | 1 |  | n1 |  |  |  |  |  |  |
|  | 060 | N3 | Address Information | O | 2 |  |  |  |  |  |  |  |  |
|  | 070 | N4 | Geographic Location | O | 1 |  |  |  |  |  |  |  |  |
|  | 080 | PER | Administrative Communications Contact | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Detail:**

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | LOOP ID - LIN |  |  | >1 |  |  |  |  |  |  |  |
|  | 010 | LIN | Item Identification | O | 1 |  |  |  |  |  |  |  |  |
|  | 020 | ASI | Action or Status Indicator | O | 1 |  |  |  |  |  |  |  |  |
|  | 030 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  | 040 | DTM | Date/Time Reference | O | >1 |  |  |  |  |  |  |  |  |
|  | 060 | AMT | Monetary Amount | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  | LOOP ID - NM1 |  |  | >1 |  |  |  |  |  |  |  |
|  | 080 | NM1 | Individual or Organizational Name | O | 1 |  |  |  |  |  |  |  |  |
|  | 130 | REF | Reference Identification | O | >1 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Must Use | 150 | SE | Transaction Set Trailer | M | 1 |  |  |  |  |  |  |  |  |

**Transaction Set Notes:**

1. The N1 loop is used to identify the transaction sender and receiver.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Data Dictionary for 814 Change | | | | | |
| ***Appl Field*** | ***Field Name*** | ***Description*** | ***EDI Segment*** | ***Loop / Related EDI Qualifier*** | ***Data***  ***Type*** |
| 1 | Transaction Set Purpose Code | Request = **13**  Response = **11** | BGN01 |  | X(2) |
| 2 | Transaction Reference Number | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. | BGN02 |  | X(30) |
| 3 | System Date | Date that the data was processed by the sender's application system. | BGN03 |  | 9(8) |
| 4 | Original Transaction Reference Number | Transaction Reference Number echoed from the Original Request Transaction (BGN02). | BGN06 |  | X(30) |
| 5 | LDC Name | LDC's Name | N102 | N1: N101 = **8S** | X(60) |
| 6 | LDC Duns | LDC's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **8S**  N103 = **1** or **9**  N106 = **40** or **41** | X(13) |
| 7 | ESP Name | ESP's Name | N102 | N1: N101 = **SJ** | X(60) |
| 8 | ESP Duns | ESP's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **SJ**  N103 = **1** or **9**  N106 = **40** or **41** | X(13) |
| 8.3 | Renewable Energy Provider Name | Renewable Energy Provider 's Name | N102 | N1: N101 = **G7** | X(60) |
| 8.4 | Renewable Energy Provider Duns | Renewable Energy Provider 's DUNS Number or DUNS+4 Number | N104 | N1: N101 = **G7**  N103 = **1** or **9**  N106 = **40** or **41** | X(13) |
| 9 | Customer Name | Customer Name as it appears on the Customer's Bill | N102 | N1: N101 = **8R** | X(35)  Note: X(60) for MD |
| 10 | Customer Reference Number | A reference number assigned by and meaningful to the customer. An example would be Store number | N104 | N1: N101 = **8R**  N103 = **1** or **9** | X(30) |
| 11 | Service Address | Customer Service Address | N301 & N302 | N1: N101 = **8R** | X(55) |
| 12 | City | Customer Service Address | N401 | N1: N101 = **8R** | X(30) |
| 13 | State | Customer Service Address | N402 | N1: N101 = **8R** | X(2) |
| 14 | Zip Code | Customer Service Address | N403 | N1: N101 = **8R** | X(9) |
| 15 | County | Customer Service County | N406 | N101 = **8R**  N405 = **CO** | X(30) |
| 16 | Customer Contact Name | Customer Contact Name | PER02 | PER01=**IC** | X(60) |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | | Customer Telephone Number | Contact Telephone Number for the customer | PER04 | N1: N101 = **8R**  PER01 = **IC**  PER03 = **TE** | | X(10) | | | |
| 18 | | Customer Billing Name | Name on Billing Address | N102 | N1: N101 = **BT** | | X(35)  Note: X(60) for MD | | | |
| 19 | | Customer Billing Street Address | Customer Billing Address | N301 & N302 | N1: N101 = **BT** | | X(55) | | | |
| 20 | | Billing City | Customer Billing Address | N401 | N1: N101 = **BT** | | X(30) | | | |
| 21 | | Billing State | Customer Billing Address | N402 | N1: N101 = **BT** | | X(2) | | | |
| 22 | | Billing Zip Code | Customer Billing Address | N403 | N1: N101 = **BT** | | X(9) | | | |
| 23 | | Billing Country Code | Customer Billing Address | N404 | N1: N101 = **BT** | | X(3) | | | |
| 24 | | Billing Contact Name | Billing Contact Name | PER02 | PER01=**IC** | | X(60) | | | |
| 25 | | Billing Telephone # | Contact Telephone Number related to this billing address | PER04 | N1: N101 = **BT**  PER01 = **IC**  PER03 = **TE** | | X(10) | | | |
| 26 | | Third Party Name for copies of notices | Name for Third Party to receive copies of notices | N102 | N1: N101 = **PK** | | X(35) | | | |
| 27 | | Street Address | Address for Third Party to receive copies of notices | N301 & N302 | N1: N101 = **PK** | | X(55) | | | |
| 28 | | City | Address for Third Party to receive copies of notices | N401 | N1: N101 = **PK** | | X(30) | | | |
| 29 | | State | Address for Third Party to receive copies of notices | N402 | N1: N101 = **PK** | | X(2) | | | |
| 30 | | Zip Code | Address for Third Party to receive copies of notices | N403 | N1: N101 = **PK** | | X(9) | | | |
| 31 | | Country Code | Address for Third Party to receive copies of notices | N404 | N1: N101 = **PK** | | X(3) | | | |
| 32 | | Third Party Name for Contact for Copies of Notices | Third Party Name for Contact for Copies of Notices | PER02 | PER01=**IC** | | X(60) | | | |
| 33 | | Telephone Number | Contact for Third Party to receive copies of notices | PER04 | N1: N101 = **PK**  PER01 = **IC**  PER03 = **TE** | | X(10) | | | |
| 34 | | Third Party Name for copies of bills | Name for Third Party to receive copies of bills | N102 | N1: N101 = **2C** | | X(35) | | | |
| 35 | | Street Address | Address for Third Party to receive copies of bills | N301 & N302 | N1: N101 = **2C** | | X(55) | | | |
| 36 | | City | Address for Third Party to receive copies of bills | N401 | N1: N101 = **2C** | | X(30) | | | |
| 37 | | State | Address for Third Party to receive copies of bills | N402 | N1: N101 = **2C** | | X(2) | | | |
| 38 | | Zip Code | Address for Third Party to receive copies of bills | N403 | N1: N101 = **2C** | | X(9) | | | |
| 39 | | Country Code | Address for Third Party to receive copies of bills | N404 | N1: N101 = **2C** | | X(3) | | | |
| 40 | | Third Party Contact Name for copies of bills | Name for Third Party Contact to receive copies of bills | PER02 | N1: N101 = **2C** | | X(60) | | | |
| 41 | | Telephone Number | Contact for Third Party to receive copies of bills | PER04 | N1: N101= **2C**  PER01 = **IC**  PER03 = **TE** | | X(10) | | | |
| 42 | | Line Item Transaction Reference Number | Unique Tracking Number for each line item in this transaction. This number must be unique over time. | LIN01 |  | | X(20) | | | |
| 43 | | Generation Services Indicator or Renewable Energy Certificate Service or Summary Interval | Indicates a customer request to switch to the designated ESP / Renewable Energy Provider with which he or she has signed a contract. | LIN05 = **CE** or **RC** or **SI** | LIN02 = **SH**  LIN03 = **EL**  LIN04 = **SH** | | X(2) | | | |
| 44 | | Action Code | Indicates that the transaction is a request, or whether this transaction has been accepted or rejected. | ASI01=  Request: **7**  Accept Response: **WQ**  Reject Response: **U** | LIN: ASI02= **001** | | X(2) | | | |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** | | | | | | | | | | |
| 50 | | Reason for Change | Code explaining reason for change. This will apply to changes for all fields, except where the fields reside in the NM1 loop (meter level information) | REF02 | LIN: REF01= **TD** | | X(30) | | |
| 51 | | Rejection Reason Code | Code explaining reason for rejection. | REF02 | LIN: REF01= **7G** | | X(3) | | |
| 52 | | Rejection Reason Text | Text explaining rejection. | REF03 | LIN: REF01= **7G** | | X(80) | | |
| 53 | | Status Reason Code | This is used to convey status reason codes on a request and Response to a Request. | REF02 | LIN: REF01= **1P** | | X(3) | | |
| 54 | | Status Reason Text | Text to provide status information. | REF03 | LIN: REF01= **1P** | | X(80) | | |
| 55 | | ESP Account Number | ESP Customer Account Number | REF02 | LIN: REF01= **11** | | X(30) | | |
| 56 | | LDC Account Number | LDC Customer Account Number | REF02 | LIN: REF01= **12** | | X(30) | | |
| 56.2 | | LDC Account Number - unmetered | LDC Customer Account Number – Unmetered | REF03 | N1: N101 = **8R**  REF01 = **12**  REF03 = **U** | | X(80) | | |
| 57 | | Old Account Number | Previous LDC Customer Account Number | REF02 | LIN: REF01= **45** | | X(30) | | |
| 58 | | LDC Billing Cycle | LDC Cycle on which the bill will be rendered | REF02 | LIN: REF01= **BF** | | X(4) | | |
| 60 | | Billing Type | Indicates type of billing  - LDC consolidated Billing (REF02=LDC)  - ESP consolidated Billing (REF02=ESP)  - Dual bills (REF02=DUAL) | REF02 | LIN: REF01= **BLT** | | X(4) | | |
| 61 | | Billing Calculation Method | Indicates party to calculate bill.  - LDC calculates bill (REF02=LDC)  - Each party calculates its portion of the bill (REF02=DUAL) | REF02 | LIN: REF01= **PC** | | X(4) | | |
| 62 | | PJM LMP Bus | Point at which the customer is connected to the transmission grid | REF03 | LIN: REF01= **SPL** | | X(80) | | |
| 63 | | LDC Budget Billing Status | Transmits the current budget billing status shown for this customer on the LDC system. | REF02= **Y** or **N** | LIN: REF01= **NR** | | X(1) | | |
| 64 | | Interval Level Indicator | Indicates the level of information the ESP will receive for an interval metered account.  (REF03=**SUMMARY**) information, or detail and summary  (REF03=**DETAIL**) information for an interval usage account. For PECO this is Account-Level Detail data only.  (REF03=**METERDETAIL**) information for an interval usage account at meter level (PECO only) | REF03 | LIN: REF01= **17** | | X(7) | | |
| 65 | | Special Meter Configuration Code | Used to convey there’s a special meter present on the account. For example, Net Metering | REF02 | LIN: REF01 = **KY** | | X(3) | | |
| 66 | | Special Meter Configuration Information | PPLEU-used to report the max K1 (demand) the special meter supports | REF03 | LIN: RF01 = **KY** | | X(80) | | |
| 67 | | Change Effective Date | The date that this change will take or has taken effect | DTM02 | LIN: DTM01= **007** | | 9(8) | | |
| 68 | | Service Period Start | Date on which energy is expected to flow to this customer for the designated ESP. | DTM02 | LIN: DTM01= **150** | | 9(8) | | |
| 69 | | Service Period End | Date on which energy is expected to stop flowing to this customer from the designated ESP. | DTM02 | LIN: DTM01= **151** | | 9(8) | | |
| ***Note that the following AMT segments may appear in any order on the actual EDI transaction.*** | | | | | | | | | |
| 70 | | Participating Interest | Percent of the customer's load the ESP is requesting service for. If an ESP is only responsible for half of the customer's eligible load, the amount .5 will be returned. | AMT02 | LIN: AMT01= **7N** | | 9(1).99999 | | |
| 71 | | Eligible Load Percentage | Percent of the customer's load that is eligible for competition. For example, if 2/3 of the customer's load is eligible, the amount .66667 will be returned. | AMT02 | LIN: AMT01= **QY** | | 9(1).99999 | | |
| 72 | | Percent Tax Exemption | Customer's Tax Exemption Percentage -  Residential usually 100% (send 1), Commercial/Industrial - anything other than 0% requires you secure tax exemption certificate. (e.g., if 50% send .5) | AMT02 | LIN: AMT01= **DP** | | 9(1).9(4) | | |
| 73 | | State Sales Tax Exemption | Customer’s state sales tax exemption. Anything other than zero, supplier is required to secure tax exemption percent. If 100% tax exempt, send 1. | AMT02 | LIN: AMT01=**F7** | | 9(1).9(4) | | |
| 74 | | Air Conditioners in Load Management Program | Number of air conditioners that are part of load cycling program | AMT02 | LIN: AMT01=**5J** | | 9(2) | | |
| 75 | | Water Heaters in Load Management Program | Number of water heaters that are part of load cycling program | AMT02 | LIN: AMT01=**L0** | | 9(2) | | |
| 76 | | Peak Load Capacity | Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM's peak) | AMT02 | LIN: AMT01= **KC** | | 9(9).99 | | |
| 77 | | Network Service Peak Load | Customer's peak load contribution provided to PJM for the transmission service calculation (coincident with LDC peak) | AMT02 | LIN: AMT01= **KZ** | | 9(9).99 | | |
| 79 | | Meter Maintenance Code | Code explaining level of meter change; i.e., specific meter related, applies to all meters, or applies to unmetered portion of account | NM109= **[*meter number***] or  **UNMETERED** or **ALL** | NM101= **MA, MQ, MR,** or **MX**  NM102= **3**  NM108= **32** | | X(80) | | |
| ***Note that the following REF segments may appear in any order on the actual EDI transaction.*** | | | | | | | | | |
| 80 | Reason for Change | | Code explaining reason for meter level change | REF02 | | NM1: REF01= **TD** | | X(30) | |
| 81 | Old Meter Number | | Previous meter number | REF02 | | NM1: REF01= **46** | | X30 | |
| 82 | Loss Factor | | Loss factor | REF02 | | NM1:REF01=**LF** | | X(30) |
| 83 | Profile Group | | A code for the Load Profile used for this customer. Differs by LDC. Codes posted on LDC's Web site. | REF02 | | NM1: REF01= **LO** | | X(30) | |
| 84 | LDC Rate Code | | Code indicating the rate a customer is being charged by LDC per tariff. Codes posted on LDC's Web site | REF02 | | NM1: REF01= **NH** | | X(30) | |
| 85 | LDC Rate Subclass Code | | Used to provide further classification of a rate. | REF02 | | NM1: REF01= **PR** | | X(30) | |
| 86 | ESP Rate Code | | ESP rate code for customer | REF02 | | NM1: REF01= **RB** | | X(30) | |
| 87 | Service Voltage | | Indicates the service voltage | REF02 | | NM1: REF01= **SV**  REF03= Service Voltage | |  | |
| 88 | LDC Meter Cycle | | LDC Cycle on which the meter will be read | REF02 | | NM1: REF01= **TZ** | | X(2) | |
| 89 | Meter Type | | Type of Meter | REF02 | | NM1: REF01= **MT** | | X(5) | |
| 90 | Meter Type Additional Information | | Additional information for the meter type | REF03 | | NM1: REF01= **MT** | | X(80) | |
| ***The following three fields each require that the Meter Type be shown in REF03:*** | | | | | | | | | |
| 91 | Meter Constant/Meter Multiplier | | Some factor multiplied by the meter reading to give billed usage. | REF02 | | NM1: REF01= **4P**  REF03 = Meter Type (See REF\*MT) | | 9(9).99 | |
| 92 | Number of Dials / Digits and related decimal positions | | Needed to determine usage if meter reading rolls over during the billing period. Number of dials on the meter displayed as the number of dials to the left of the decimal, a decimal point, and number of dials to the right of the decimal. | REF02 | | NM1: REF01= **IX**  REF03 = Meter Type (See REF\*MT) | | 9.9 | |
| 93 | Type of metering used for billing | | Indicates the type of metering information that will be sent on the 867 transaction. | REF02=  **41** (on peak) or  **42** (off peak)  **43** (intermediate)  or  **51** (totalizer) | | NM1: REF01 = **TU**  REF03 = Meter Type (See REF\*MT) | | X(2) | |

# 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:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Required |
| **DE Use:** |  | Required |
| **MD Use:** |  | Required |
| **Example:** |  | ST\*814\*000000001 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ST01** | **143** | **Transaction Set Identifier Code** | | | | **M** | **ID 3/3** | | |
|  | | | Code uniquely identifying a Transaction Set | | | | | | |
|  | | | | 814 |  | General Request, Response or Confirmation | | |
| **Must Use** | **ST02** | **329** | **Transaction Set Control Number** | | | | **M** | **AN 4/9** | | |
|  | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | |

# Segment: BGN Beginning Segment

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a transaction set

**Syntax Notes:** **1** If BGN05 is present, then BGN04 is required.

**Semantic Notes:** **1** BGN02 is the transaction set reference number.

**2** BGN03 is the transaction set date.

**3** BGN04 is the transaction set time.

**4** BGN05 is the transaction set time qualifier.

**5** BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Required |
| **DE Use:** |  | Required |
| **MD Use:** |  | Required |
| **Request Example:** |  | BGN\*13\*199904011956531\*19990401  (Note: BGN06 not used in the request.) |
| **Response Example:** |  | BGN\*11\*199904020830531\*19990402\*\*\*199904011956531  (Note: BGN06 is optional on the response.) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **BGN01** | **353** | **Transaction Set Purpose Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying purpose of transaction set | | | | | |
|  | | | | 11 |  | Response | | | |
|  | | | | | | Signifies that the requested service will be addressed as described in this transaction. | | | |
|  | | | | 13 |  | Request | | | |
| **Must Use** | **BGN02** | **127** | **Reference Identification** | | | | **M** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | A unique transaction identification number assigned by the originator of this transaction. This number must be unique over time. | | | | | | |
| **Must Use** | **BGN03** | **373** | **Date** | | | | **M** | **DT 8/8** | | |
|  | | | Date (CCYYMMDD) | | | | | |
|  | | | The transaction creation date – the date that the data was processed by the sender’s application system. | | | | | |
| Optional | **BGN06** | **127** | **Reference Identification** | | | | **O** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | |
|  | | | If used, refers to the BGN02 identification number of the original Request. Not used on the request. Optional on the response. | | | | | |

# Segment: N1 Name (8S=LDC Name)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Required  Required  Required for response if provided in the request  Required  Required |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Example:** |  | N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 (as Receiver) | |
| **Response Example:** |  | N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 (as Sender) | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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) | | | | |
|  | | | | | | | LDC | | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | | |
|  | | | | Free-form name | | | | | | |
|  | | | LDC Company Name | | | | | | | | |
| **Must Use** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID 1/2** | | | |
|  | | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | |
|  | | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | |
|  | | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | |
| **Must Use** | **N104** | **67** | | **Identification Code** | | | | **X** | **AN 2/80** | | | |
|  | | | | Code identifying a party or other code | | | | | | |
|  | | | LDC 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. | | | | | | |
|  | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | |
|  | | | | | 40 |  | Receiver | | |
|  | | | | | | | Entity to accept transmission | | |
|  | | | | | 41 |  | Submitter | | |
|  | | | | | | | Entity transmitting transaction set | | |

# Segment: N1 Name (SJ=ESP Name)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required  Required  Required  Required  Required for response if provided in the request |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Example:** |  | N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 (as Sender) | |
| **Response Example:** |  | N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 (as Receiver) | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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 | | | | |
|  | | | | | | | ESP | | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | | |
|  | | | | Free-form name | | | | | | |
|  | | | ESP Company Name | | | | | | | | |
| **Must Use** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID 1/2** | | | |
|  | | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | |
|  | | | | | 1 |  | D-U-N-S Number, Dun & Bradstreet | | |
|  | | | | | 9 |  | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | |
| **Must Use** | **N104** | **67** | | **Identification Code** | | | | **X** | **AN 2/80** | | | |
|  | | | | Code identifying a party or other code | | | | | | |
|  | | | ESP 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. | | | | | | |
|  | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | |
|  | | | | | 40 |  | Receiver | | |
|  | | | | | | | Entity to accept transmission | | |
|  | | | | | 41 |  | Submitter | | |
|  | | | | | | | Entity transmitting transaction set | | |

# Segment: N1 Name (G7=Renewable Energy Provider Name)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not used |
| **NJ Use:** |  | Required |
| **DE Use:** |  | Not used |
| **MD Use:** |  | Not used |
| **Example:** |  | N1\*G7\*RENEWABLE COMPANY\*9\*007909422GPM |

**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 | | | | | | | | | | | | | |
|  | | | | | | | | | G7 | |  | | Entity Providing the Service | | | | | |
|  | | | | | | | | | | | | | Renewable Energy Provider | | | | | |
| **Must Use** | | **N102** | | **93** | | | **Name** | | | | | | | | **X** | | **AN 1/60** | | | | | |
|  | | | | | | | Free-form name | | | | | | | | | | | | | |
|  | | | | | | Renewable Energy Provider Company Name | | | | | | | | | | | | |
| **Must Use** | | **N103** | | **66** | | | **Identification Code Qualifier** | | | | | | | | **X** | | **ID 1/2** | | | | | |
|  | | | | | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | | | | | | | |
|  | | | | | | | | | 1 | |  | | D-U-N-S Number, Dun & Bradstreet | | | | | |
|  | | | | | | | | | 9 | |  | | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | | | | | |
| **Must Use** | | **N104** | | **67** | | | **Identification Code** | | | | | | | | **X** | | **AN 2/20** | | | | | |
|  | | | | | | | Code identifying a party or other code | | | | | | | | | | | | | |
|  | | | | | | Renewable Energy Provider 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. | | | | | | | | | | | | | |
|  | | | | | | | Used in addition to the N103 and N104 to identify the transaction sender and receiver when more than two parties are identified by N1 loops. | | | | | | | | | | | | | |
|  | | | | | | | | | 40 | |  | | Receiver | | | | | |
|  | | | | | | | | | | | | | Entity to accept transmission | | | | | |
|  | | | | | | | | | 41 | |  | | Submitter | | | | | |
|  | | | | | | | | | | | | | Entity transmitting transaction set | | | | | |

# Segment: N1 Name (8R=Customer Name)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | If changing the customer’s name or written service address (not physical address) use the N101 = 8R loop for the new/current information | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required  Required  Required if provided in the request  Required  Required  Required for response if provided in the request |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Examples:** |  | N1\*8R\*CUSTOMER NAME  N1\*8R\*CUSTOMER NAME | |
| **Response Example:** |  | N1\*8R\*CUSTOMER NAME | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | | **Entity Identifier Code** | | | | **M** | **ID 2/3** | | |
|  | | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | | 8R |  | Consumer Service Provider (CSP) Customer | | | |
|  | | | | | | | Used to identify the customer associated with the LDC service account | | | |
| **Must Use** | **N102** | **93** | | **Name** | | | | **X** | **AN 1/60** | | |
|  | | | | Free-form name | | | | | |
|  | | | Customer Name as it appears on the customer’s bill | | | | | | | |
| **Conditional** | **N103** | **66** | | **Identification Code Qualifier** | | | | **X** | **ID 1/2** | | |
|  | | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | |
|  | | | | | 92 |  | Assigned by Buyer or Buyer's Agent | | | |
|  | | | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.  **Condition:** The N103 and N104 are optional only on the documents sent by the LDC. This information is provided at the point of time of the enrollment; an 814 change will not necessarily be processed if this data changes. | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Conditional** | **N104** | **67** | | **Identification Code** | **X** | **AN 2/80** | | |
|  | | | | Code identifying a party or other code | | |
|  | | | Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the LDC and may or may not be applicable to the ESP.  **Condition:** The N103 and N104 are optional only on documents sent by the LDC. This information is provided at the point of time of the enrollment; an 814 change will not necessarily be processed if this data changes. This information may also appear on a Rate Ready 810. | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Note that the service address is only sent when a written address changes. This transaction cannot be used for a physical address change. | |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional – Populate with new/current address if customer Service Address changes  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

**2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:    ESP to LDC Request:  Response: | Optional – Populate with new/current address if customer Service Address changes  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA, with exception of County information which will not be used in New Jersey | |
| **DE Use:** |  | Same as PA, with exception of County information which will not be used in Delaware | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*18111\*\*CO\*LEHIGH  N4\*ANYTOWN\*PA\*181110001\*\*CO\*LEHIGH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | | **City Name** | | | | **O** | **AN 2/30** | | |
|  | | | | Free-form text for city name | | | | | |
| **Must Use** | **N402** | **156** | | **State or Province Code** | | | | **O** | **ID 2/2** | | |
|  | | | | Code (Standard State/Province) as defined by appropriate government agency | | | | | |
| **Must Use** | **N403** | **116** | | **Postal Code** | | | | **O** | **ID 3/15** | | |
|  | | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | | | | |
| **Conditional** | **N405** | **309** | | **Location Qualifier** | | | | **X** | **ID 1/2** | | |
|  | | | | Code identifying type of location | | | | | |
|  | | | **PA:** N405 and N406 are provided on the accept response ONLY when the customer premise is believed to be located in a taxable county for Rate Ready Consolidated Billing.  **MD:** See N406 field for applicability of this field. | | | | | | | |
|  | | | | | CO |  | County/Parish and State | | | |
| **Conditional** | **N406** | **310** | | **Location Identifier** | | | | **O** | **AN 1/30** | | |
|  | | | | Code which identifies a specific location | | | | | |
|  | | | **PA:** N405 and N406 are provided on the accept response ONLY when the customer premise is believed to be located in a taxable county for Rate Ready Consolidated Billing.  **MD:**  - PEPCO will always send county field  - BGE, PE will send county field when premise is in a taxable county | | | | | | | |

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

**2** If either PER05 or PER06 is present, then the other is required.

**3** If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Used to provide customer contact information | |
|  |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | PER\*IC\*\*TE\*8005559876  PER\*IC\*JOE DOE\*TE\*8005559876\*FX\*8005551111\*EM\*JOE@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: N1 Name (BT=Bill Address)

**Position:** 040

**Loop:** N1

**Level:** Heading:

**Usage:** Recommended

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA.  ESP initiated Bill Address changes relative to ESP Consolidated Billing will not be allowed in MD until the state-wide EDI solution is implemented. | |
| **Example:** |  | N1\*BT\*ACCOUNTS PAYABLE DIVISION | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | BT |  | Bill-to-Party | | | | |
|  | | | | | | Used to identify a billing address for the customer | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA  ESP initiated Bill Address changes relative to ESP Consolidated Billing will not be allowed in MD until the state-wide EDI solution is implemented. | |
| **Example:** |  | N3\*123 N MAIN ST\*MS FLR13 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

**2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.  Not Used |
| **NJ Use:** |  | Same as PA  **Note:** PSEG does not provide. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA  ESP initiated Bill Address changes relative to ESP Consolidated Billing will not be allowed in MD until the state-wide EDI solution is implemented. | |
| **Example:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** | |
|  | | | Free-form text for city name | | |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** | |
|  | | | Code (Standard State/Province) as defined by appropriate government agency | | |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** | |
|  | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** | |
|  | | | Code identifying the country | | |

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

**2** If either PER05 or PER06 is present, then the other is required.

**3** If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA  ESP initiated Bill Address changes relative to ESP Consolidated Billing will not be allowed in MD until the state-wide EDI solution is implemented. | |
| **Example:** |  | PER\*IC\*ACCTS PAYABLE\*TE\*8005559876\*FX\*8005556789\*EM\*CUSTOMER@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: N1 Name (PK=Party to receive Copy of Notices)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L –  Atlantic City Electric, PSE&G– | Maintained in their system for some customers  Not maintained in their system |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | N1\*PK\*ANN SMITH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | PK |  | Party to Receive Copy | | | | |
|  | | | | | | Used to identify a third party that is to receive a copy of all notices (not bills) to the end use customer. | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

**2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** | |
|  | | | Free-form text for city name | | |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** | |
|  | | | Code (Standard State/Province) as defined by appropriate government agency | | |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** | |
|  | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** | |
|  | | | Code identifying the country | | |

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

**2** If either PER05 or PER06 is present, then the other is required.

**3** If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Will not be used Day 1 | |
| **Example:** |  | PER\*IC\*ANN SMITH\*TE\*8005559876\*FX\*8005556789\*EM\*CUSTOMER@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: N1 Name (2C=Party to Receive Copy of Bills)

**Position:** 040

**Loop:** N1

**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.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA –  JCP&L – Maintained in their system for some customers  Atlantic City Electric, PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Optional for Party to Receive Copy of Bills  - BG&E, Delmarva & PEPCO – Not maintained in their system  Not Used  Not Used |
| **Example:** |  | N1\*2C\*THOMAS SMITH | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N101** | **98** | **Entity Identifier Code** | | | | **M** | **ID 2/3** | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | |
|  | | | | 2C |  | Co-Participant | | | | |
|  | | | | | | Used to identify a third party who shares responsibility for payment of the customer’s bill. This party will receive copies of all bills, not notices. | | | | |
| **Must Use** | **N102** | **93** | **Name** | | | | **X** | **AN 1/60** | |
|  | | | Free-form name | | | | | |

## Segment: N3 Address Information

**Position:** 060

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 2

**Purpose:** To specify the location of the named party

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L – Maintained in their system for some customers  Atlantic City Electric and PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA  BG&E, Delmarva & PEPCO– not maintained in their system | |
| **Example:** |  | N3\*4251 S ELECTRIC ST\*MS 25 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N301** | **166** | **Address Information** | **M** | **AN 1/55** | |
|  | | | Address information | | |
| **Optional** | **N302** | **166** | **Address Information** | **O** | **AN 1/55** | |
|  | | | Address information | | |

## Segment: N4 Geographic Location

**Position:** 070

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the geographic place of the named party

**Syntax Notes:** **1** If N406 is present, then N405 is required.

**Semantic Notes:**

**Comments:** **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

**2** N402 is required only if city name (N401) is in the U.S. or Canada.

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L – Maintained in their system for some customers  Atlantic City Electric and PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA  BG&E, Delmarva & PEPCO – not maintained in their system | |
| **Examples:** |  | N4\*ANYTOWN\*PA\*18111  N4\*ANYTOWN\*PA\*181110001\*US | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **N401** | **19** | **City Name** | **O** | **AN 2/30** | |
|  | | | Free-form text for city name | | |
| **Must Use** | **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** | |
|  | | | Code (Standard State/Province) as defined by appropriate government agency | | |
| **Must Use** | **N403** | **116** | **Postal Code** | **O** | **ID 3/15** | |
|  | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| **Optional** | **N404** | **26** | **Country Code** | **O** | **ID 2/3** | |
|  | | | Code identifying the country | | |

## Segment: PER Administrative Communications Contact

**Position:** 080

**Loop:** N1

**Level:** Heading

**Usage:** Optional

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** **1** If either PER03 or PER04 is present, then the other is required.

**2** If either PER05 or PER06 is present, then the other is required.

**3** If either PER07 or PER08 is present, then the other is required.

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used |
| **NJ Use:** |  | Same as PA  JCP&L – Maintained in their system for some customers  Atlantic City Electric and PSE&G – Not maintained in their system | |
| **DE Use:** |  | Optional | |
| **MD Use:** |  | Same as PA  BG&E, Delmarva & PEPCO – not maintained in their system | |
| **Example:** |  | PER\*IC\*THOMAS SMITH\*TE\*8005552878\*FX\*8005556789\*EM\*CUSTOMER@SERVICE.COM | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **PER01** | **366** | **Contact Function Code** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the major duty or responsibility of the person or group named | | | | | | |
|  | | | | IC |  | Information Contact | | |
| **Optional** | **PER02** | **93** | **Name** | | | | **O** | **AN 1/60** | | |
|  | | | Free-form name | | | | | | |
| **Must Use** | **PER03** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Must Use** | **PER04** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER05** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER06** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |
| **Optional** | **PER07** | **365** | **Communication Number Qualifier** | | | | **X** | **ID 2/2** | | |
|  | | | Code identifying the type of communication number | | | | | | |
|  | | | | EM |  | Electronic Mail | | |
|  | | | | FX |  | Facsimile | | |
|  | | | | TE |  | Telephone | | |
| **Optional** | **PER08** | **364** | **Communication Number** | | | | **X** | **AN 1/80** | | |
|  | | | Complete communications number including country or area code when applicable | | | | | | |

# Segment: LIN Item Identification

**Position:** 010

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify basic item identification data

**Syntax Notes:** **1** If either LIN04 or LIN05 is present, then the other is required.

**2** If either LIN06 or LIN07 is present, then the other is required.

**3** If either LIN08 or LIN09 is present, then the other is required.

**4** If either LIN10 or LIN11 is present, then the other is required.

**5** If either LIN12 or LIN13 is present, then the other is required.

**6** If either LIN14 or LIN15 is present, then the other is required.

**7** If either LIN16 or LIN17 is present, then the other is required.

**8** If either LIN18 or LIN19 is present, then the other is required.

**9** If either LIN20 or LIN21 is present, then the other is required.

**10** If either LIN22 or LIN23 is present, then the other is required.

**11** If either LIN24 or LIN25 is present, then the other is required.

**12** If either LIN26 or LIN27 is present, then the other is required.

**13** If either LIN28 or LIN29 is present, then the other is required.

**14** If either LIN30 or LIN31 is present, then the other is required.

**Semantic Notes:** **1** LIN01 is the line item identification

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

**2** LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

|  |  |  |  |
| --- | --- | --- | --- |
| **UIG Notes:** |  | Version 4010 restricts the use of LIN03 to identify the product (electric vs. gas) and LIN05 to identify the service being requested. For example, *LIN\*23451\*SH\*EL\*SH\*CE* indicates that the product is electric and 'generation services' is the service being requested. Multiple LINs may be sent to request multiple services for one account.  Other examples:  LIN\*23451\*SH\*EL\*SH\*HU\ requests historical usage of electric service  LIN\*23451\*SH\*GAS\*SH\*MI\ requests meter information on the gas service | |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Required  Required  Required if it was provided on the request. |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN01** | **350** | **Assigned Identification** | | | | **O** | **AN 1/20** | | |
|  | | | Alphanumeric characters assigned for differentiation within a transaction set | | | | | | |
|  | | | On the request, this is a unique tracking number for each line item (LIN) in this transaction. This number must be unique over all time. This number must be returned on the response transaction in the same element. . | | | | | | |
| **Must Use** | **LIN02** | **235** | Product/Service ID Qualifier | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | SH |  | Service Requested | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN03** | **234** | Product/Service ID | | | | **M** | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | |
|  | | | | EL |  | Electric Service | | |
|  | | | | | | Identifies the product | | |
| **Must Use** | **LIN04** | **235** | **Product/Service ID Qualifier** | | | | **M** | **ID 2/2** | | |
|  | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | | | | | |
|  | | | | SH |  | Service Requested | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **LIN05** | **234** | **Product/Service ID** | | | | **M** | **AN 1/48** | | |
|  | | | Identifying number for a product or service | | | | | | |
|  | | | | CE |  | Generation Services | | |
|  | | | | | | Indicates that this transaction is related to Generation Services | | |
|  | | | | RC |  | Renewable Energy Certificate Services | | |
|  | | | | | | Indicates this transaction is related to Renewable Energy Certificate Services | | |
|  | | | | SI |  | Summary Interval | | |
|  | | | | | | Used only when changing the level of detail at which the 867 Interval data will be sent (REF\*17) – PA, NJ and MD | | |

# Segment: ASI Action or Status Indicator

**Position:** 020

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To indicate the action to be taken with the information provided or the status of the entity described

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Identifies the action to be taken or the status of a requested action for the service identified in the LIN segment.  Status Reason Codes are conveyed in the REF segment (position 030) rather than in the ASI03, to allow for multiple status reasons.  ALL – will send Accept Change Response for Service Not Provided | |
| **PA Use:** |  | Request:  Response: | Required  Required |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Request Example:** |  | ASI\*7\*001 | |
| **Response Examples:** |  | ASI\*WQ\*001  ASI\*U\*001 | Accept Response  Reject Response |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **ASI01** | **306** | **Action Code** | | | | **M** | **ID 1/2** | | |
|  | | | Code indicating type of action | | | | | | |
|  | | | | 7 |  | Request | | |
|  | | | | U |  | Reject | | |
|  | | | | WQ |  | Accept | | |
| **Must Use** | **ASI02** | **875** | **Maintenance Type Code** | | | | **M** | **ID 3/3** | | |
|  | | | Code identifying the specific type of item maintenance | | | | | | |
|  | | | | 001 |  | Change | | |

# Segment: REF Reference Identification (TD=Reason for Change)

**Position:** 030

**Loop:** LIN

**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:** |  | This convention of the REF segment is used for account maintenance, to convey change reason codes. The codes used in REF02 are maintained by the UIG. The first portion of the code identifies the segment that contains the data that has been changed; the remaining portion of the code identifies the relevant code qualifier for the data that has been changed. The changed data will appear in the appropriate element of the identified segment. For example, a REF02 code of AMT7N indicates that data in the AMT segment that is identified by the qualifier 7N (i.e., Percentage of Service Supplied) has been changed to the value now shown in AMT02. | |
| **PA Use:** |  | Request:  Response: | Required if change is at an account (LIN) or header level  Optional |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TD\*REFBLT  REF\*TD\*N1PK\*D | |

**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 | | | | | | |
|  | | | | TD |  | Reason for Change | | |
| **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 | | | | | | |
|  | | | | AMT5J |  | Change Number of Load Management Air Conditioners | | |
|  | | | | AMT7N |  | Change Percentage of Service Supplied | | |
|  | | | | AMTDP |  | Change Percentage of Service Tax Exempt | | |
|  | | | | AMTF7 |  | Change Percentage of State Sales Tax | | |
|  | | | | AMTKC |  | Change Peak Load Capacity | | |
|  | | | | AMTKZ |  | Change Network Service Peak Load | | |
|  | | | | AMTL0 |  | Change Number of Load Management Water Heaters | | |
|  | | | | AMTQY |  | Change Eligible Load Percentage | | |
|  | | | | DTM150 |  | Change Service Period Start Date | | |
|  | | | | DTM151 |  | Change Service Period End Date | | |
|  | | | | N12C |  | Change in party to receive copy of bills | | |
|  | | | | N18R |  | Change in Customer Name and/or Service Address | | |
|  | | | | N1BT |  | Change in Billing Address | | |
|  | | | | N1PK |  | Change in party to receive copy of notices (not bills) | | |
|  | | | | REF11 |  | Change ESP-Assigned Account Number for the End Use Customer | | |
|  | | | | REF12 |  | Change LDC-Assigned Account Number for the End Use Customer | | |
|  | | | | REF17 |  | Change of Interval Status | | |
|  | | | |  |  | Change in Interval status will have a LIN05 value of SI. | | |
|  | | | | REFAN |  | Change in Aggregate Net Energy Meter role | | |
|  | | | | REFBF |  | Change Billing Cycle | | |
|  | | | | REFBLT |  | Change Billing Type (Bill Presenter) | | |
|  | | | | REFKY |  | Change Special Meter Configuration | | |
|  | | | | REFPC |  | Change Party that Calculates the Bill | | |
|  | | | | REFSPL |  | Change Point at Which the Customer is Connected to Transmission Grid | | |
|  | | | |  |  | Change in PJM LMP Bus | | |
| **Conditional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A |  | Indicates the party name and address to be added | | |
|  | | | | | | Optional   * Party to Receive copy of notices (Not bills) –N1PK | | |
|  | | | |  |  | Required if deleting the following:   * Special Meter Configuration (net meter add) * Aggregate Net Energy Meter Role (role add) | | |
|  | | | | D |  | Indicates the party name and address to be deleted | | |
|  | | | | | | Required if deleting the following:   * Party to Receive copy of bills -N12C * Billing Address –N1BT * Party to Receive copy of notices (Not bills) –N1PK * Number of Load Mgmt water heaters – AMTL0 (use when changing quantity to zero) * Number of Load Mgmt air conditioners – AMT5J (use when changing quantity to zero) * Special Meter Configuration (net meter removal) - REFKY * Aggregate Net Energy Meter Role (role removal) - REFAN | | |

**Changes by State – Required Implementation Date**

This table indicates whether this change will ever be valid in the state, and what the required implementation date will be.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Change** | **Pennsylvania** | | **New Jersey**  Supported as of 01/2006 | | **Delaware (Delmarva)** | |
|  | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date |
| AMT5J – Number of Load Management Air Conditioners | N | N/A | N | N/A | Y | To be determined |
| AMT7N – Percent Service Supplied | Y | To be determined | N | N/A | N | N/A |
| AMTDP – Tax exempt percent | Y | 4010 implementation | N | N/A | N | N/A |
| AMTF7 – State Sales tax exemption percent | N | N/A | N | N/A | N | N/A |
| AMTKC – Peak Load Capacity | Y | 4010 implementation | Y | Market opening | Y | Market opening |
| AMTKZ – Network Service Peak Load | Y | 4010 implementation | Y | Market opening | Y | Market opening |
| AMTL0 – Number of Load Management Water Heaters | N | N/A | N | N/A | Y | To be determined |
| AMTQY – Eligible Load Percentage | Y | To be determined | N | N/A | N | N/A |
| DTM150 – Start Date | Y | 4010 implementation if only switch on actual read and it varies by more than 3 days from estimate | Optional | No, except for JCP&L | N | N/A |
| DTM151 – End Date | Y | 4010 implementation if only switch on actual read and it varies by more than 3 days from estimate | Optional | No, except for JCP&L | N | N/A |
| N12C – Party to receive copy of bills | Y | To be determined | Optional | Yes for JCP&L and Atlantic City Electric only | Y | To be determined |
| N18R – Customer name / service address | Y | 4010 implementation | Optional | Yes for JCP&L and Atlantic City Electric only | Y | To be determined |
| N1BT – Billing address | Y | To be determined | Optional | Yes for JCP&L and Atlantic City Electric only | Y | To be determined |
| N1PK – Party to receive copy of notices | Y | To be determined | Optional | Yes for JCP&L only | Y | To be determined |
| REF11 – ESP Account number | Y | 4010 implementation | Y | Market opening | Y | Market opening |
| REF12 – LDC Account number | Y | 4010 implementation | Y | Market opening | Y | Market opening |
| REF17 – Interval Status | Y | 4010 implementation | Optional | Yes for JCP&L and Atlantic City Electric only | N | N/A |
| REFBF – Bill Cycle | Y | 4010 implementation | Optional | Yes for JCP&L and Atlantic City Electric only | Y | Market opening |
| REFBLT – Bill Type (Bill Presenter) | Y | 4010 implementation | Y | Market opening | Y | Market opening |
| REFPC – Party that Calculates Bill | Y | 4010 implementation | Optional | Yes for JCP&L only, N/A for other EDCs | Y | Market opening |
| REFSPL – PJM LMP Bus | Y | To be determined | N | N/A | Y | To be determined |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Change** | **Maryland** | |  | |  | |
|  | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date |
| AMT5J – Number of Load Management Air Conditioners | Y | To be determined |  |  |  |  |
| AMT7N – Percent Service Supplied | N | N/A |  |  |  |  |
| AMTDP – Tax exempt percent | N | N/A |  |  |  |  |
| AMTF7 – State Sales tax exemption percent |  | Market opening |  |  |  |  |
| AMTKC – Capacity Obligation | Y | To be determined |  |  |  |  |
| AMTKZ – Transmission Obligation | Y | To be determined |  |  |  |  |
| AMTL0 – Number of Load Management Water Heaters | Y | To be determined |  |  |  |  |
| AMTQY – Eligible Load Percentage | N | N/A |  |  |  |  |
| DTM150 – Start Date | Y | N/A |  |  |  |  |
| DTM151 – End Date | Y | To be determined |  |  |  |  |
| N12C – Party to receive copy of bills | Y | To be determined |  |  |  |  |
| N18R – Customer name / service address | Y | Market opening |  |  |  |  |
| N1BT – Billing address | Y | Market opening |  |  |  |  |
| N1PK – Party to receive copy of notices | N | N/A |  |  |  |  |
| REF11 – ESP Account number | Y | Market opening |  |  |  |  |
| REF12 – LDC Account number | Y | Market opening |  |  |  |  |
| REF17 – Interval Status | Y | Market opening |  |  |  |  |
| REFBF – Bill Cycle | Y | Market opening |  |  |  |  |
| REFBLT – Bill Type (Bill Presenter) | Y | Market opening |  |  |  |  |
| REFPC – Party that Calculates Bill | Y | Market opening |  |  |  |  |
| REFSPL – PJM LMP Bus | Y | To be determined |  |  |  |  |

# Segment: REF Reference Identification (7G=Rejection Reason)

**Position:** 030

**Loop:** LIN

**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:** |  | This iteration of the REF segment is used to convey the rejection reason codes in response to a Request. The rejection reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple rejection reasons. | |
| **PA Use:** |  | If an LDC receives a request for a service that the state does not support, the LDC should **reject** it with a REF\*7G\* SDE\*SERVICE DOES NOT EXIST  If an LDC receives a request for a service that the state supports, but the LDC does not, the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED | |
|  |  | Request:  Accept Response:  Reject Response: | Not Used  Not Used  Required |
| **NJ Use:** |  | If an LDC receives a request for a service that it does not support (whether the state supports it or not), the LDC should **accept** it, but then send a status code REF\*1P\*SNP\*SERVICE NOT PROVIDED | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ | |
| **Example:** |  | REF\*7G\*A13\*ADDITIONAL REASON TEXT HERE | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 7G |  | Data Quality Reject Reason | | |
|  | | | | | | Reject reasons associated with a reject status notification. | | |

Rules for Rejection Reason Codes

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The codes on the next several pages have been identified by the UIG to convey rejection reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state’s listserver.  “A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state’s listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.  PA Listserver: [edewg@ls.eei.org](mailto:edtwg@ls.eei.org)  NJ Listserver: [njbpu@ls.eei.org](mailto:njbpu@ls.eei.org) | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |
|  | | | | 008 |  | Account exists but is not active | | |
|  | | | | A13 |  | Other | | |
|  | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | A76 |  | Account not found | | |
|  | | | |  |  | This includes invalid account numbers as well as no account number being found. | | |
|  | | | | A84 |  | Invalid Relationship (not ESP of record) | | |
|  | | | | A91 |  | Service is not offered at customer’s location | | |
|  | | | | | | For instance, used to indicate that this is a gas only account, no electric service exists on the account. | | |
|  | | | | ABN |  | Duplicate request received | | |
|  | | | | ANL |  | Service provider not licensed to provide requested service | | |
|  | | | | | | Also used if supplier sends billing address change, and is not the billing agent. | | |
|  | | | | ANQ |  | Billing Agent not certified by utility | | |
|  | | | | | | Not valid in NJ | | |
|  | | | | API |  | Required information missing (REF03 Required) | | |
|  | | | | C02 |  | Customer on Credit Hold | | |
|  | | | | | | Valid in PA and NJ when consolidated bill requested for customer who has been switched to DUAL billing due to delinquencies when making the other party whole. | | |
|  | | | | C11 |  | Change reason (REF\*TD) missing or invalid | | |
|  | | | | C13 |  | Multiple Change Request Not Supported | | |
|  | | | | FRB |  | Incorrect Billing Option (REF\*BLT) Requested | | |
|  | | | | FRC |  | Incorrect Bill Calculation Type (REF\*PC) Requested | | |
|  | | | | MTI |  | Maintenance Type Code (ASI02) invalid | | |
|  | | | | NCB |  | EGS not certified to provide requested bill option | | |
|  | | | | | | Not valid in NJ | | |
|  | | | | NEB |  | Customer not eligible for requested bill option | | |
|  | | | | | | Not valid in NJ | | |
|  | | | | NIA |  | Not Interval Account | | |
|  | | | | SDE |  | Service Does Not Exist | | |
|  | | | | | | PA Rules: Used ONLY when the LDC receives a request for a service that the **state** does not support. REF\*1P\*SNP is used if the LDC receives a request that the state supports, but the LDC does not.  NJ Rules: In NJ it is valid to use the REF\*1P\*SNP at this time. | | |
|  | | | | UND |  | Cannot identify ESP | | |
|  | | | | UNE |  | Cannot identify LDC | | |
|  | | | | W05 |  | Requested Rate not found or not in effect on the requested date (Rate Ready Only). | | |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | Used to further describe the Rejection Reason Codes sent in REF02. Codes “A13” and “API” require text explanation in this element. | | | | | | |

# Segment: REF Reference Identification (1P=Status Reason Code)

**Position:** 030

**Loop:** LIN

**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:** |  | This iteration of the REF segment is used primarily to convey status reason codes in response to a Request. The status reason codes are conveyed in this segment rather than in the ASI03 to allow for multiple status reasons.  A Status Reason code is different than a Rejection Reason code in that it is used to give additional information to the receiving party (an FYI). Generally, if a transaction is rejected, the sender is expected to follow up and resubmit; whereas if a transaction is accepted with a status reason code, the sender is not expected to take any further action.  ALL – send Change Accept Response with Service Not Provide, (SNP) | |
| **PA Use:** |  | Request:  Accept Response:  Reject Response: | Not Used  Required when status information must be conveyed.  Required when status information must be conveyed. |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*1P\*A13\*ADDITIONAL REASON TEXT HERE  REF\*1P\*C10\*CHANGE NOT SUPPORTED | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 1P |  | Accessorial Status Code | | |
|  | | | | | | Used in the instance where the 814 Change Request is accepted, but additional status information must be provided | | |

Rules for Status Reason Codes

|  |
| --- |
| The codes below have been identified by the UIG to convey status reasons. Only the codes listed for each service are valid for that service. If you require additional codes, send an email to the appropriate state’s listserver.  “A13” (Other) must **only** be used when an existing error code does not convey the reason correctly. Each time “A13” (Other) is used for a new purpose, an E-mail must be sent to the appropriate state’s listserver by the party sending the code, to notify the market participants about the text explanation for A13. This information will be compiled and new codes will be issued on a periodic basis.  PA Listserver: [edewg@ls.eei.org](mailto:edtwg@ls.eei.org)  NJ Listserver: [njbpu@ls.eei.org](mailto:njbpu@ls.eei.org) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Status Codes:** | | | | | | | | | | | | |
| Must Use | **REF02** | **127** | **Reference Identification** | | | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | | |
|  | | | | A13 | |  | | Other | | |
|  | | | | | | | | REF03 Required. Send email to edewg@ls.eei.org each time A13 is used for a new purpose. | | |
|  | | | | C10 | |  | | Change Not Supported | | |
|  | | | | | | | | Used to indicate that the change being requested is not supported by the receiving party. | | |
|  | | | | | SNP | |  | Service Not Provided | | |
| **Optional** | **REF03** | **352** | **Description** | | | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | | | |
|  | | | Used to further describe the status reason code sent in REF02. Required if REF02 = A13. | | | | | | | | |

# Segment: REF Reference Identification (11=ESP Account Number)

**Position:** 030

**Loop:** LIN

**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** |  | To change an ESP account number, the new account number should appear in the field with the respective REF\*TD change code (REF\*TD\*REF11). Unlike the LDC account number, there is not a field that must be populated for old ESP account number.  Must exclude punctuation (spaces, dashed, etc). Significant leading and trailing zeros must be included. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required if it was provided previously  Required if it was provided on request.  Required if it was provided on request.  Required if it was provided previously  Required if it was provided on the request.  Required if it was provided on the request |
|  |  |  | |
| **NJ Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required if it was provided previously  Required if it was provided on request.  Required if it was provided on request.  Conditional if it was provided previously  Conditional if it was provided on request.  Conditional if it was provided on request. |
|  |  |  | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ | |
| **Example:** |  | REF\*11\*2348400586 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 11 |  | Account Number | | |
|  | | | | | | ESP-assigned account number for end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (12=LDC Account Number)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Must be identical to account number as it appears on the customer’s bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.  If changing the LDC account number, the new/current account number appears in this segment and the previous account number appears in the REF\*45 segment. | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required  Required  Required – when the rejection reason is due to an LDC account number not being provided in the request, this segment must not be sent on the response.  Required  Required  Required – when the rejection reason is due to an LDC account number not being provided in the request, this segment must not be sent on the response. |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*12\*2931839200 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 12 |  | Billing Account | | |
|  | | | | | | LDC-assigned account number for end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (45=LDC Old Account Number)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required if the account number has changed in the last 60 days.  Not Used  Not Used  Required if the account number has changed in the last 60 days.  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA. However, BGE, Delmarva, and PEPCO will only send the old LDC account number on an 814 Change transaction if the LDC initiated the Change transaction and the change was for an LDC account number change.  PE: Required if the account number has changed in the last 60 days. | |
| **Example:** |  | REF\*45\*1105687500 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 45 |  | Old Account Number | | |
|  | | | | | | LDC’s previous account number for the end use customer. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (AN=Aggregate Net Energy Meter Role)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PA Use:** |  | Not Used | | |
| **NJ Use:** |  | Not Used | | |
| **DE Use:** |  | Not Used | | |
| **MD Use:** | |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Not Used  Not Used  Not Used |
| **Example:** |  | REF\*AN\* PARENTHOST | | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | AN |  | Aggregate Net Energy Meter Role | | |
|  | | | | | | | The role of the customer account in the Aggregate Net Energy Meter family | | |
| **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 | | | | | | |
|  | | | PARENTHOST  PARENT  CHILD | | |  | BGE & FE: Host Account with Generation  PHI: Customer designated primary host (parent) with Generation  BGE & FE: Not Used  PHI: Host account with generation, not the primary  Child account, may or may not have its own generation. NOTE - The REF\*KY segment is used to notify the account has its own generation. | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | |
|  | | | |  |  |  | | |
|  | | | | | | Aggregate Net Energy Meter Family ID Number used to identify the ANEM family.  Required for BGE when REF02 = CHILD, else optional | | |

# Segment: REF Reference Identification (BF=LDC Billing Cycle)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
|  |  | **PA Note:** Normally, Bill Cycle (REF\*BF) and Meter Cycle (REF\*TZ) are the same. An exception is when the account is on a summary bill. When a customer is on a summary bill, the bill cycle (REF\*BF) will reflect the cycle when the bill is issued to the customer. The meter cycle (REF\*TX) will continue to indicate the cycle the account is read. | |
| **NJ Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ | |
| **Example:** |  | REF\*BF\*15 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | BF |  | Billing Center Identification | | |
|  | | | | | | LDC Billing cycle. Cycle number when the billing will be rendered. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

# Segment: REF Reference Identification (BLT=Billing Type)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Optional  Optional  Optional  Optional  Optional  Optional |
| **NJ Use:** |  | Same as PA. However, only valid options are LDC and DUAL. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*BLT\*LDC | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | BLT |  | Billing Type | | |
|  | | | | | | Identifies whether the bill is consolidated by the LDC or ESP, or whether each party will render their own bill. See REF02 for valid values. | | |
| **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 | | | | | | |
|  | | | When REF01 is BLT, valid values for REF02 are:  LDC - The LDC bills the customer  ESP - The ESP bills the customer  DUAL - Each party bills the customer for its portion | | | | | | |

# Segment: REF Reference Identification (PC=Bill Calculator)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Optional  Optional  Optional  Optional  Optional  Optional |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*PC\*LDC | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | PC |  | Production Code | | |
|  | | | | | | Identifies the party that is to calculate the charges on the bill. | | |
| **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 | | | | | | |
|  | | | When REF01 is PC, valid values for REF02 are:  LDC - The LDC calculates the charges on the bill (Rate Ready)  DUAL - Each party calculates its portion of the bill (Dual or Bill Ready) | | | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IF … | | | **THEN…** | |
| **Bills the** | **Calculates** | | **Billing Party** | **Calc. Party** |
| **Customer** | **LDC Portion** | **ESP Portion** | **REF\*BLT** | **REF\*PC** |
| LDC | LDC | LDC | LDC | LDC |
| LDC | LDC | ESP | LDC | DUAL |
| ESP | LDC | ESP | ESP | DUAL |
| DUAL | LDC | ESP | DUAL | DUAL |

Be careful to use the UIG Standard Code Values LDC and ESP rather than the Pennsylvania versions of those codes.

# Segment: REF Reference Identification (SPL=PJM LMP Bus)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Note that the PJM LMP Bus must appear in the REF03 because REF02 is limited to 30 characters and this field requires at least 32. | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional for PJM Participants  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*SPL\*\*NOT SURE OF AN EXAMPLE | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | SPL |  | Standard Point Location Code (SPLC) | | |
|  | | | | | | Point at which the customer is connected to the transmission grid (PJM LMP Bus). This represents the Wholesale Settlement Bus. | | |
| **Must Use** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | PJM LMP Bus – Note REF03 is used, not REF02!! | | | | | | |

# Segment: REF Reference Identification (17=Summary Interval)

**Position:** 030

**Loop:** LIN

**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:** |  | When changing the indicator to receive both Interval Detail and Summary, or to only receive Summary level information, the LIN05 must have a value of “SI”. | |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Not Used  Not Used  Optional  Not Used |
| **NJ Use:** |  | Same as PA –However, only supported by JCP&L and Atlantic City Electric | |
| **DE Use:** |  | Not used in Delaware | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | REF\*17\*SUMMARY  REF\*17\*DETAIL  REF\*17\*METERDETAIL (PECO only) | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 17 |  | Client Reporting Category | | |
|  | | | | | | Used to convey whether the ESP will receive summary only information, or detail and associated summary information for this interval account. | | |
| **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 | | | | | | |
|  | | | When REF01 is 17, valid values for REF02 are:  **SUMMARY** – Metering party will send only summary level data for this interval account.  **DETAIL –** Metering party will send both summary and detail data for this interval account. For PECO this will interpret as account-level detail.  **METERDETAIL** – Metering party will send interval details for each meter on the account (PECO only) | | | | | | |

# Segment: REF Reference Identification (KY=Special Meter Configuration)

**Position:** 030

**Loop:** LIN

**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:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PA Use:** | |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | | Required if special meter configuration is present  Not Used  Not Used  Not Used | |
| **NJ Use:** |  | | | Same as PA  Atlantic City Electric: with new CIS  JCP&L: est. 2Q 2014  PSE&G: est. 2Q 2014  Note: Valid REF02 in NJ is ‘NETMETER’ | |
| **DE Use:** |  | | | Not Used | |
| **MD Use:** |  | | | Same as PA  BGE: est. 4Q 2014  PHI (Delmarva & PEPCO): with new CIS  Potomac Edison (FE): in production | |
| **Example:** |  | | | REF\*KY\* NSUN\*0000026 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | KY |  | Site Specific Procedures, Terms, and Conditions | | |
|  | | | | | | | Special Meter Configuration | | |
| **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 | | | | | | |
|  | | | ASUN  AWIN  AHYD  ABIO  AWST  ACHP  AMLT  NSUN  NWIN  NHYD  NBIO  NWST  NCHP  NFOS  NMLT  NETMETER | | |  | Net Metering Solar  Net Metering Wind  Net Metering Hydro  Net Metering Biomass  Net Metering Waste  Net Metering Combined Heat and Power  Net Metering Multiple Different Sources  Non-Net Metering Solar  Non-Net Metering Wind  Non-Net Metering Hydro  Non-Net Metering Biomass  Non-Net Metering Waste  Non-Net Metering Combined Heat and Power  Non-Net Metering Fossil Fuel  Non-Net Metering Multiple Different Sources  Net Meter (Used for LDCs who will not report the specific type of net meter) | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Optional** | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | |
|  | | | |  |  |  | | |
|  | | | | | | PPLEU: Used for the output rating of the generation equipment reporting in KW and reflects the maximum generation the equipment can produce at any one time | | |

# Segment: DTM Date/Time Reference (007=Change Effective Date)

**Position:** 040

**Loop:** LIN

**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** |  | This date is sent by the LDC to indicate when a change will take effect. If the date is in the future, it is an estimated effective date. If the date is in the past, it is an actual effective date.  **Note:** When the 814C is for a change in date fields, the DTM\*007 is not sent. For instance, if this 814C is to request a change to start date (REF\*TD\*DTM150) or change to end date (REF\*TD\*DTM151), the DTM\*007 is not used. | |
| **PA Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required if change is not date related  Not Used  Only allowed if ESP is providing consolidated bill and they are sending a change to billing address  Required unless change is date related or ESP is providing consolidated bill and they sent a change to billing address  Not Used |
| **NJ Use:** |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Required if change is not date related  Not Used  Not Used  Required if change is not date related  Not Used |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ  This represents the date the change will be effective.  Note: For billing related changes, this will represent **the FIRST day** of the bill cycle that the change applies to.  For instance, the 814 change transaction is for a change from a consolidated bill to dual bill, and the last date for the consolidated bill is 2/1/2000. The date of the first bill which is dual billing is 3/1/2000.  All utilities will send the DTM\*007 value as 20000201. | |
| **Example:** |  | DTM\*007\*19990115 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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 Date | | |
|  | | | | | | The date that this change will take or has taken effect. | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

# Segment: DTM Date/Time Reference (150=Service Start Date)

**Position:** 040

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
|  |  | **PA rule:** Update to ESP start date is required if it varies from estimated start date by more than three (3) days. | |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | DTM\*150\*19990115 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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 | | |
|  | | | | | | The date which energy is expected to flow for this customer for the ESP. | | |
| **Must Use** | **DTM02** | **373** | **Date** | | | | **X** | **DT 8/8** | | |
|  | | | Date expressed as CCYYMMDD | | | | | | |

# Segment: DTM Date/Time Reference (151=Service End Date)

**Position:** 040

**Loop:** LIN

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
|  |  | **PA rule:** Update to ESP end date is required if it varies from estimated end date by more than three (3) days. | |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | DTM\*151\*19990215 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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 | | | | | | |

# Segment: AMT Monetary Amount (7N=Participating Interest)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PA Use:** |  | Use precision to the fifth decimal place. | | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Accept Response:  Reject Response: | | Optional  Not Used  Optional  Optional  Not Used  Optional |
| **NJ Use:** |  | Not used | | |
| **DE Use:** |  | Not used | | |
| **MD Use:** |  | Not used | | |
| **Examples:** |  | AMT\*7N\*1  AMT\*7N\*.5 | AMT\*7N\*.66667  AMT\*7N\*.33333 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | |
|  | | | | 7N |  | Participating Interest | | | |
|  | | | | | | This code is used to indicate the percentage of the eligible load that is supplied by the Energy Service Provider. | | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99 percent. | | | | | |

|  |  |
| --- | --- |
| If ESP Requests \_\_\_ of a Customer’s Eligible Load… | Then, AMT02 is… |
| 100% | 1 |
| 2/3 | .66667 |
| 1/2 | .5 |
| 1/3 | .33333 |

**Note:** The actual Eligible Load that will be supplied by an ESP will be the product of Participating Interest (AMT01 = 7N) and Eligible Load Percentage (AMT01 = QY). See example below:

|  |  |  |
| --- | --- | --- |
| Participating Interest (AMT01=7N) | Eligible Load Percentage  (AMT01=QY) | ESP Responsible for |
| 1 | 1 | 1 (100%) |
| .5 | 1 | .5 (50%) |
| .33333 | 1 | .33333 (33%) |
| 1 | .66667 | .66667 (66%) |
| .5 | .66667 | .33333 (33%) |

# Segment: AMT Monetary Amount (QY=Eligible Load Percentage)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Use precision to the fifth decimal place. | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Not used since Customers will always be 100%. | |
| **DE Use :** |  | Not used since Customers will always be 100% | |
| **MD Use:** |  | Not used since Customers will always be 100%. | |
| **Example:** |  | AMT\*QY\*.66667 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | QY |  | Qualified | | |
|  | | | | | | Eligible Load Percentage. Percentage of the customer’s load that is eligible for competition. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99 percent. | | | | | | |

|  |  |
| --- | --- |
| If ESP Requests \_\_\_ of a Customer’s Eligible Load… | Then, AMT02 is… |
| 100% | 1 |
| 2/3 | .66667 |
| 1/2 | .5 |
| 1/3 | .33333 |

**Note:** The actual Eligible Load that will be supplied by an ESP will be the product of Participating Interest (AMT01 = 7N) and Eligible Load Percentage (AMT01 = QY). See example below:

|  |  |  |
| --- | --- | --- |
| Participating Interest (AMT01=7N) | Eligible Load Percentage  (AMT01=QY) | ESP Responsible for |
| 1 | 1 | 1 (100%) |
| .5 | 1 | .5 (50%) |
| .33333 | 1 | .33333 (33%) |
| 1 | .66667 | .66667 (66%) |
| .5 | .66667 | .33333 (33%) |

# Segment: AMT Monetary Amount (DP=Tax Exemption Percent)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | This field is used for the non-billing party to tell the billing party the tax exemption amount that should be entered into the billing party's system in order to calculate a bill on the sender’s behalf. This is required only for rate-ready LDC Consolidated billing where the LDC has loaded the ESP rates into their system, the LDC calculates the ESP charges, and places the ESP charges on the LDC bill. The following generic rules are offered to better explain the use of the segment for PA:   * Residential customers default to ‘1’ (AMT\*DP\*1~) as 100% tax exempt unless the residence is used for business purposes or vacation home. * Commercial customers default to ‘0’ (AMT\*DP\*0~) being 0% tax exempt unless the customer presents a sales tax exemption certificate. Should the customer have a tax exemption percentage less than 100% but greater than 0%, the value would be reported as a decimal (AMT\*DP\*.5~). A tax exemption certificate must be secured from the customer.   It’s the ESP’s responsibility to ensure the value in the AMTDP is accurate based on the customer’s tax status. Under Rate Ready billing, correcting inaccurate customer bills due to incorrect tax exemption is not the LDC’s responsibility and in most cases requires the Supplier to address directly with the customer. | |
|  |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Not Used  Not Used  Optional  Optional  Optional |
| **NJ Use:** |  | Same as PA  **Note:** Since rate must include taxes, ESP should always set this to 100% tax exempt in NJ. | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Not Used  Maryland tax exemptions apply to a specific tax. Each tax has a separate AMT segment. The current applicable tax is State Sales tax (AMT\*F7) | |
| **Examples:** |  | AMT\*DP\*.75  AMT\*DP\*.7599 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | DP |  | Exemption | | |
|  | | | | | | Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent. | | | | | | |

# Segment: AMT Monetary Amount (F7=Tax Exemption Percent-State Sales Tax)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Not Used |
| **MD Use:** |  | This field is used for the sending party to tell the receiving party the tax exemption amount that applies to the State Sales tax that should be entered into the receiving party's system in order to calculate a bill on the sender’s behalf. This is required only for rate-ready LDC Consolidated billing where the LDC has loaded the ESP rates into their system, the LDC calculates the ESP charges, and places the ESP charges on the LDC bill  A tax exemption certificate must be secured from the customer.  Maryland tax exemptions apply to a specific tax. Each tax has a separate AMT segment. The current applicable tax is State Sales tax (AMT\*F7) |
|  |  | LDC to ESP Request: Not Used  Response: Not Used  ESP to LDC Request: Required if tax exemption percentage is changed  Accept Response: Optional  Reject Response: Optional |
| **Examples:** |  | AMT\*F7\*.75  AMT\*F7\*.7599 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | F7 |  | Sales Tax | | |
|  | | | | | | State Sales Tax Exemption: This code is used when a portion of the provided service is exempt from taxation. Element AMT02 identifies the percentage of the service that is tax exempt. | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | For percentage values, the whole number "1" represents 100 percent; decimal numbers less than "1" represent percentages from 1 percent to 99.9999 percent. | | | | | | |

# Segment: AMT Monetary Amount (5J=Load Management Device – Air Conditioner)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Same as Maryland |
| **MD Use:** |  | This field is used to indicate the number of air conditioners on the load management program has been modified.  If all devices have been removed from the program, AMT02 will contain zero. |
|  |  | LDC to ESP Request: Required if number of devices has changed  Accept Response: Optional  Reject Response: Optional  ESP to LDC Request: Not Used  Response: Not Used |
| **Examples:** |  | AMT\*5J\*2 (Indicates there are two air conditioners on account in load management program) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | 5J |  | Equipment | | |
|  | | | | | | Air conditioners that are part of load management program | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Whole number that indicates number of devices that are part of load management program. | | | | | | |

# Segment: AMT Monetary Amount (L0=Load Management Device – Water Heater)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Not Used |
| **NJ Use:** |  | Not Used |
| **DE Use:** |  | Same as Maryland |
| **MD Use:** |  | This field is used to indicate the number of water heaters on the load management program has been modified.  If all devices have been removed from the program, AMT02 will contain zero. |
|  |  | LDC to ESP Request: Required if number of devices has changed  Accept Response: Optional  Reject Response: Optional  ESP to LDC Request: Not Used  Response: Not Used |
| **Examples:** |  | AMT\*L0\*1 (Indicates there is one water heater on account in load management program) |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | L0 |  | Liquid Assets | | |
|  | | | | | | Water Heaters that are part of load management program | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Whole number that indicates number of devices that are part of load management program. | | | | | | |

# Segment: AMT Monetary Amount (KC=Peak Load Capacity)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Conditional - Required for PJM Participants when this field changes. PECO does not send, see PA Notes section for additional information.  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Required for PJM Participants when this field changes  Not Used  Optional  Not Used  Not Used |
|  |  | **NJ Note:** PSE&G sends Capacity Obligation to PJM. | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ. However, MD may also allow a non-EDI method for communicating this change since it occurs only once or twice a year for all customers. | |
| **Example:** |  | AMT\*KC\*752 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | KC |  | Obligated | | |
|  | | | | | | Peak Load Capacity (a.k.a. Load Responsibility): Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM peak). | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Peak Load Capacity | | | | | | |

# Segment: AMT Monetary Amount (KZ=Network Service Peak Load)

**Position:** 060

**Loop:** LIN

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To indicate the total monetary amount

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | Zero values may be sent if the LDC is, in fact, stating that there is no contribution for this customer’s account. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Conditional - Required for PJM Participants when this field changes. PECO does not send, see PA Notes section for additional information.  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Required for PJM Participants when this field changes  Not Used  Optional  Not Used  Not Used |
|  |  | **NJ Note:** PSE&G sends Transmission Obligation to PJM. | |
| **DE Use:** |  | Same as NJ | |
| **MD Use:** |  | Same as NJ. However, MD may also allow a non-EDI method for communicating this change since it occurs only once or twice a year for all customers. | |
| **Example:** |  | AMT\*KZ\*752 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **AMT01** | **522** | **Amount Qualifier Code** | | | | **M** | **ID 1/3** | | |
|  | | | Code to qualify amount | | | | | | |
|  | | | | KZ |  | Mortgager’s Monthly Obligations | | |
|  | | | | | | Network Service Peak Load: Customer’s peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak). | | |
| **Must Use** | **AMT02** | **782** | **Monetary Amount** | | | | **M** | **R 1/18** | | |
|  | | | Monetary amount | | | | | | |
|  | | | Network Service Peak Load | | | | | | |

# Segment: NM1 Individual or Organizational Name

**Position:** 080

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To supply the full name of an individual or organizational entity

**Syntax Notes:** **1** If either NM108 or NM109 is present, then the other is required.

**2** If NM111 is present, then NM110 is required.

**Semantic Notes:** **1** NM102 qualifies NM103.

**Comments:** **1** NM110 and NM111 further define the type of entity in NM101.

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | This loop is used to convey meter level information.  NM1 loops may be sent in any order | |
| **PA Use:** |  | Please see the rules for the use of this Loop on the Notes page. | |
|  |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Response: | Required if changing meter level information  Optional  Required if changing meter level information  Optional |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | NM1\*MR\*3\*\*\*\*\*\*32\*1234568MG  NM1\*MA\*3\*\*\*\*\*\*32\*UNMETERED  NM1\*MQ\*3\*\*\*\*\*\*32\*ALL  NM1\*MX\*3\*\*\*\*\*\*32\*334545R | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NM101** | **98** | **Entity Identifier Code** | | | | | | **M** | **ID 2/3** | | |
|  | | | Code identifying an organizational entity, a physical location, property or an individual | | | | | | | | |
|  | | | | MA | |  | | Party for whom item is ultimately intended | | |
|  | | | | | | | | Meter Addition – use when adding a meter to an existing account | | |
|  | | | | MQ | |  | | Meter Location | | |
|  | | | | | | | | Meter Level Information Change – use when changing Meter level Information or Attribute(s) for an existing Meter. See notes section. | | |
|  | | | | MR | |  | | Medical Insurance Carrier | | |
|  | | | | | | | | Meter Removal – use when removing a meter from an existing account | | |
|  | | | | | MX | |  | Juvenile Witness | | |
|  | | | | | | | | Meter Exchange – use when exchanging a meter | | |
| **Must Use** | **NM102** | **1065** | **Entity Type Qualifier** | | | | | | **M** | **ID 1/1** | | |
|  | | | Code qualifying the type of entity | | | | | | | | |
|  | | | | 3 | |  | | Unknown | | |
| **Must Use** | **NM108** | **66** | **Identification Code Qualifier** | | | | | | **X** | **ID 1/2** | | |
|  | | | Code designating the system/method of code structure used for Identification Code (67) | | | | | | | | |
|  | | | | 32 | |  | | Assigned by Property Operator | | |
|  | | | | | | | | Meter Number | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **NM109** | **67** | **Identification Code** | **X** | **AN 2/80** | |
|  | | | Code identifying a party or other code | | |
|  | | | Meter Number  UNMETERED – for Unmetered Services  ALL – for ALL meters on the Request Transaction (“ALL” is only valid for a Meter Level Information Change). Used to change information that is transmitted at the meter level, but applies to “ALL” meters for this customer, i.e., REF\*LO, REF\*NH, REF\*PR, REF\*TZ, REF\*RB | | |

## Segment: REF Reference Identification (TD=Reason for Change –Meter Level)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

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

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

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

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

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **UIG Notes:** |  | This convention of the REF segment is used for Account Maintenance and Update transactions, to convey meter-level and entity relationship change reason codes. The codes used in REF02 are maintained by the UIG. The first portion of the code identifies the segment that contains the data that has been changed; the remaining portion of the code identifies the relevant code qualifier for the data that has been changed. The changed data will appear in the appropriate element of the identified segment. For example, REF02 code of REFVR indicates that data in the REF segment that is identified by the qualifier VR (i.e. Meter Installer) has been changed to the value now shown in REF02 of the REF\*VR segment. | |
| **PA Use:** |  | Request:  Response: | Required if change is at a meter level  Optional |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TD\*REFRB | |

**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 | | | | | | |
|  | | | | TD |  | Reason for Change | | |
|  | **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 | | | | | | |
|  | | | | NM1MA |  | Meter Addition | | |
|  | | | | NM1MQ |  | Change Metering Location | | |
|  | | | | | | Change of Meter Attributes: Meter Constant (REF\*4P), Number of Dials (REF\*IX), Meter Type (REF\*MT) and Consumption Provided on 867 (REF\*TU) | | |
|  | | | | NM1MR |  | Meter Removal | | |
|  | | | | NM1MX  REFLF |  | Meter Exchange  Loss Factor | | |
|  | | | | REFLO |  | Change Load Profile | | |
|  | | | | REFNH |  | Change Utility Rate Class or Tariff | | |
|  | | | | REFPR |  | Change Unit Pricing Category Under a Rate Code | | |
|  | | | | REFRB  REFSV |  | Change ESP Rate  Service Voltage | | |
|  | | | | REFTZ |  | Change Meter Cycle | | |
|  | **REF03** | **352** | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | A free-form description to clarify the related data elements and their content | | | | | | |

**Changes by State – Required Implementation Date**

This table indicates whether this change will ever be valid in the state, and what the required implementation date will be.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Change** | **Pennsylvania** | | **New Jersey** | | **Delaware (Delmarva)** | |
|  | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date |
| NM1MA – Meter Addition | Y | To be determined | Optional | Yes for JCP&L and PSE&G only | Y | To be determined |
| NM1MQ – Change Meter Attributes | Y | To be determined | Optional | Yes for JCP&L and PSE&G only | Y | To be determined |
| NM1MR – Meter Removal | Y | To be determined | Optional | Yes for JCP&L and PSE&G only | Y | To be determined |
| NM1MX – Meter Exchange | Y | To be determined | Optional | Yes for JCP&L and PSE&G only | Y | To be determined |
| REFLO – Load Profile | Y | To be determined | Optional | Yes for JCP&L and Atlantic City Electric only | Y | To be determined |
| REFNH – Change utility rate class | Y | To be determined | Optional | Yes for JCP&L and Atlantic City Electric only | Y | To be determined |
| REFPR – Change utility rate subclass | Y | To be determined | Y | N/A | Y | To be determined |
| REFRB – Change ESP Rate Code | Y | 4010 implementation | Optional | Yes for JCP&L only, N/A for other EDCs | N | N/A |
| REFTZ – Meter Cycle | Y | 4010 implementation | Y | Market opening | Y | Market opening |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Change** | **Maryland** | |  | |  | |
|  | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date | Valid  (Y/N) | Target Required Implementation Date |
| NM1MA – Meter Addition | Y | To be determined |  |  |  |  |
| NM1MQ – Change Meter Attributes | Y | To be determined |  |  |  |  |
| NM1MR – Meter Removal | Y | To be determined |  |  |  |  |
| NM1MX – Meter Exchange | Y | To be determined |  |  |  |  |
| REFLO – Load Profile | Y | To be determined |  |  |  |  |
| REFNH – Change utility rate class | Y | To be determined |  |  |  |  |
| REFPR – Change utility rate subclass | Y | To be determined |  |  |  |  |
| REFRB – Change ESP Rate Code | Y | Market opening |  |  |  |  |
| REFTZ – Meter Cycle | Y | Market opening |  |  |  |  |

## Segment: REF Reference Identification (46=Old Meter Number)

**Position:** 130

**Loop:** NM1

**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** |  | Segment implies Meter Removal. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Required for MX loop, not used for other Meter Loops.  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*46\*9938526S | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | 46 |  | Old Meter Number | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment:REF Reference Identification (LF=Loss Factor)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for First Energy Companies; Optional for others  Not Used  Not Used |
| **NJ Use:** |  | Not Used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*LF\*2 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | LF |  | Load Planning Number | | |
|  | | | | | | Loss Factor | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (LO=Load Profile)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*LO\*GS | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | LO |  | Load Planning Number | | |
|  | | | | | | Load profile | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (NH=LDC Rate Class)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

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

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

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

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

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | If an LDC Rate Class is changed and all meters on the account have the same LDC Rate Class, the NM1 segment will contain NM1\*MQ\*3\*\*\*\*\*\*32\*ALL.  If an LDC Rate Class is changed, and it only applies to one or some meters, the NM1 segments will contain the specific meter number. If it applies to multiple meters (but not all of the meters on the account), multiple NM1 loops must be sent – one for each meter.  If only the LDC Rate Class is changed, the associated REF\*TD will be REF\*TD\*REFNH. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*NH\*RS1 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | NH |  | Rate Card Number | | |
|  | | | | | | Identifies a LDC rate class or tariff | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (PR=LDC Rate Subclass)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

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

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

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

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

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | If an LDC Rate Subclass is changed and all meters on the account have the same LDC Rate Subclass, the NM1 segment will contain NM1\*MQ\*3\*\*\*\*\*\*32\*ALL.  If an LDC Rate Subclass is changed, and it only applies to one or some meters, the NM1 segments will contain the specific meter number. If it applies to multiple meters (but not all of the meters on the account), multiple NM1 loops must be sent – one for each meter.  If only the LDC Rate Subclass is changed, the associated REF\*TD will be REF\*TD\*REFPR. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Not Used – Not maintained in Delmarva’s system | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*PR\*123 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | PR |  | Price Quote Number | | |
|  | | | | | | LDC Rate Subclass – Used to provide further classification of a rate. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (RB=ESP Rate Code)

**Position:** 130

**Loop:** NM1

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify identifying information

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

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

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

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

**Comments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notes:** |  | If an ESP Rate Code is changed, the NM1 segment will contain NM1\*MQ\*3\*\*\*\*\*\*32\*ALL.  If only the ESP Rate Code is changed, the associated REF\*TD will be REF\*TD\*REFRB. | |
| **PA Use:** |  | Rate codes are established between the LDC and ESP prior to Enrollment. | |
|  |  | LDC to ESP Request:  Response:  ESP to LDC Request:  Accept Response:  Reject Response: | Not Used  Not Used  Optional  Optional  Optional |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*RB\*A29 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | RB |  | Rate code number | | |
|  | | | | | | ESP Rate Code for the customer | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## 

## Segment:REF Reference Identification (SV=Service Voltage)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | Request:  CE Accept Response:  All other Accept Responses:  Reject Response: | Not Used  Required for First Energy Companies; Optional for others  Not Used  Not Used |
| **NJ Use:** |  | Not Used | |
| **DE Use:** |  | Not Used | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*SV\*SECONDARY | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | SV |  | Service Charge Number | | |
|  | | | | | | Service Voltage | | |
| **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 | | | | | | |

PRIMARY

SECONDARY

Actual service voltage transmission value (Ex: 34.5kV)

## Segment: REF Reference Identification (TZ=LDC Meter Cycle)

**Position:** 130

**Loop:** NM1

**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:** |  | Since all meters on an account have the same meter reading schedule, the NM1 segment associated with a change in meter read cycle will be NM1\*MQ\*3\*\*\*\*\*\*32\*ALL.  The associated REF\*TD will be REF\*TD\*REFTZ. | |
| **PA Use:** |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TZ\*15 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | TZ |  | Total Cycle Number | | |
|  | | | | | | LDC Meter Cycle. Cycle number when the meter will be read. | | |
| **Must Use** | **REF02** | **127** | **Reference Identification** | | | | **X** | **AN 1/30** | | |
|  | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | |

## Segment: REF Reference Identification (MT=Meter Type)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be only be one REF\*MT segment for each NM1 loop. If there are multiple meter types on this meter, only one REF\*MT will be sent. It will contain the code **COMBO**. The specific meter type will be identified in the REF03 field in subsequent REF segments for this meter (i.e. REF\*4P, REF\*IX, REF\*TU). | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Required for change of Meter Type, Meter Multiplier, # Dials and Type of usage sent on 867  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*MT\*KHMON  REF\*MT\*COMBO  REF\*MT\*COMBO\*SMART  REF\*MT\*COMBO\*I | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | | | | | **128** | | | **Reference Identification Qualifier** | | | | | | | | | | | **M** | **ID 2/3** | | | | |
|  | | | | | | | | | | Code qualifying the Reference Identification | | | | | | | | | | | | | |
|  | | | | | | | | | | | MT | |  | Meter Ticket Number | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | Meter Type | | | | | | | | |
| **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 | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval. “COMBO” is used for a meter that records more than one measurement. Valid values can be a combination of the following values: | | | | | | | | | | | | | | | | | |
|  | | Type of Consumption | | | | | | | | | | | | |  | Metering Interval | | | | | | |
|  | | | | K1 | Kilowatt Demand | | | | | | | | | |  | | | Nnn | Number of minutes from 001 to 999 | | | | | | | | | |
|  | | | | K2 | Kilovolt Amperes Reactive Demand | | | | | | | | | |  | | | ANN | Annual | | | | | | | | | |
|  | | | | K3 | Kilovolt Amperes Reactive Hour | | | | | | | | | |  | | | BIA | Bi-annual | | | | | | | | | |
|  | | | | K4 | Kilovolt Amperes | | | | | | | | | |  | | | BIM | Bi-monthly | | | | | | | | | |
|  | | | | K5 | Kilovolt Amperes Reactive | | | | | | | | | |  | | | DAY | Daily | | | | | | | | | |
|  | | | | KH | Kilowatt Hour | | | | | | | | | |  | | | MON | Monthly | | | | | | | | | |
|  | | | | T9 | Thousand Kilowatt Hours | | | | | | | | | |  | | | QTR | Quarterly | | | | | | | | | |
|  | | | | | | | |  | | | |  | |  | | |  | | |  | | |
|  | | | For Example: | | | | | | | | | | | | | | | | | | | | |
|  |  | | | KHMON | | | | | | Kilowatt Hours Per Month | | | | | | | | | | |  |  | | | | |
|  |  | | | K1015 | | | | | | Kilowatt Demand per 15 minute interval | | | | | | | | | | |  |  | | | | |
|  | |  | | | | | | | | | | | | |  |  | | | | | | |
|  | | Other Valid Codes | | | | | | | | | | | | |  |  | | | | | | |
|  | | | | COMBO | | | | | This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand. | | | | | | | | | | | | | | | | |
| **Optional** | **REF03** | | | | | **352** | | | | **Description** | | | | | | | | | | | **X** | **AN 1/80** | | |
|  | | | | | | | | | | A free-form description to clarify the related data elements and their content | | | | | | | | | | | | | | |
|  | | | | | | | | | | Atlantic City Electric, Delmarva DE, PEPCO MD & Delmarva MD Use: As of 4/1/12, will send ‘SMART’ in the REF03 to denote meter is an AMI/Smart meter.  PECO PA Use: When REF01 is MT, valid values for REF03 are:  I – Interval data available  M – Interval data NOT available | | | | | | | | | | | | | |

## 

## Segment: REF Reference Identification (4P=Meter Multiplier)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*4P segment for each Meter Type. This means that there may be more than one REF\*4P segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*4P to indicate the meter constant for the demand (example: REF\*4P\*1200\*K1015) and a REF\*4P to indicate the meter constant for the kWh (example: REF\*4P\*2400\*KH015). | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*4P\*10\*KHMON  REF\*4P\*100\*K1MON | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | 4P |  | Affiliation Number | | |
|  | | | | | | | Meter Constant (Meter Multiplier)  (Ending Reading – Beginning Reading) \* Meter Multiplier = Billed Usage | | |
| **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 | | | | | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

## Segment: REF Reference Identification (IX=Number of Dials/Digits)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*IX segment for each Meter Type. This means that there may be more than one REF\*IX segment per meter. For instance, when meter type is “COMBO”, there may be a REF\*IX to indicate the dials for the demand (example: REF\*IX\*5.1\*K1015) and a REF\*IX to indicate the dials for the kWh (example: REF\*IX\*6.0\*KH015). | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Examples:** |  | REF\*IX\*6.0\*KHMON  REF\*IX\*5.1\*K1MON  REF\*IX\*4.2\*K1015 | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | IX |  | Item Number | | |
|  | | | | | | | Number of Dials on the Meter displayed as the number of dials to the left of the decimal, a decimal point, and the number of dials to the right of the decimal. | | |
| **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 | | | | | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| # Dials | Positions to left of decimal | Positions to right of decimal | X12 Example |
| 6 | 6 | 0 | REF\*IX\*6.0 |
| 6 | 5 | 1 | REF\*IX\*5.1 |
| 6 | 4 | 2 | REF\*IX\*4.2 |

## Segment: REF Reference Identification (TU=Type of Metering)

**Position:** 130

**Loop:** NM1

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| **PA Use:** |  | There will be one REF\*TU segment for each Time Of Use reading (for each meter type for each meter) that will be provided on the 867. | |
|  |  | LDC to ESP Request:  Accept Response:  Reject Response:  ESP to LDC Request:  Response: | Optional  Not Used  Optional  Not Used  Not Used |
| **NJ Use:** |  | Same as PA | |
| **DE Use:** |  | Same as PA | |
| **MD Use:** |  | Same as PA | |
| **Example:** |  | REF\*TU\*41\*K1MON  REF\*TU\*42\*K1MON Multiple TUs will usually be sent on each 814!!!  REF\*TU\*51\*K1MON | |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 Attributes**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Must Use** | **REF01** | | **128** | **Reference Identification Qualifier** | | | | **M** | **ID 2/3** | | |
|  | | | | Code qualifying the Reference Identification | | | | | | |
|  | | | | | TU |  | Trial Location Code | | |
|  | | | | | | | Used to indicate the type of metering information that will be sent on the 867 transaction. | | |
| **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 | | | | | | |
|  | | | | | 41 |  | Off Peak | | |
|  | | | | | 42 |  | On Peak | | |
|  | | | | | 43 |  | Intermediate | | |
|  | | | | | 51 |  | Totalizer | | |
| **Must Use** | **REF03** | **352** | | **Description** | | | | **X** | **AN 1/80** | | |
|  | | | | A free-form description to clarify the related data elements and their content | | | | | | |
|  | | | | Meter Type (see REF\*MT for valid codes). “COMBO” is not a valid code for this element. | | | | | | |

# Segment: SE Transaction Set Trailer

**Position:** 150

**Loop:**

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

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

|  |  |  |
| --- | --- | --- |
| **PA Use:** |  | Required |
| **NJ Use:** |  | Required |
| **DE Use:** |  | Required |
| **MD Use:** |  | Required |
| **Example:** |  | SE\*28\*000000001 |

**Data Element Summary**

**Ref. Data**

**Des. Element Name X12 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 | | |

# 814 Change Examples

## Example: Change Request – Adding Two Meters

Note: One NM1 Loop is provided for each Meter that is added to the account.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MA\*3\*\*\*\*\*\*32\*12345678MG | Start of Meter Addition Loop, Meter Number of meter being added |
| REF\*TD\*NM1MA | Change Reason indicating Meter Addition |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*COMBO | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |
| NM1\*MA\*3\*\*\*\*\*\*32\*333333N | Start of second Meter Addition Loop, Meter Number being added |
| REF\*TD\*NM1MA | Change Reason indicating Meter Addition |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*K1MON | Meter Type of New Meter |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*51\*K1MON | Totalized consumption will be provided on 867 |

## Example: Accept Change Response – Adding Two Meters

Note: One NM1 Loop is provided for each Meter that is added to the account.

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Reject Change Response – Adding Two Meters

Note: One NM1 Loop is provided for each Meter that is added to the account.

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Removing Two Meters from an Account

Note: One NM1 Loop is provided for each Meter that is removed from the account.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MR\*3\*\*\*\*\*\*32\*345673R | Start of Meter Removal Loop, Meter Number of meter being removed |
| REF\*TD\*NM1MR | Change code indicating Meter Removal |
| NM1\*MR\*3\*\*\*\*\*\*32\*235564R | Start of second Meter Removal Loop, Meter number of meter being removed |
| REF\*TD\*NM1MR | Change code indicating Meter Removal |

Example: **Accept Change Response – Removing Two Meters from an Account**

Note: One NM1 Loop is provided for each Meter that is removed from the account.

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Removing Two Meters from an Account**

Note: One NM1 Loop is provided for each Meter that is removed from the account.

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – One-to-One Meter Exchange

One old meter is being replaced with one new meter

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MX\*3\*\*\*\*\*\*32\*334545R | Start of Meter Exchange Loop, Meter Number being added |
| REF\*46\*345573R | Old Meter Number – indicates that this was a meter exchange |
| REF\*TD\*NM1MX | Change Reason indicating Meter Exchange |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*COMBO | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |

Example: **Accept Change Response – One-to-One Meter Exchange**

One old meter is being replaced with one new meter

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – One-to-One Meter Exchange**

One old meter is being replaced with one new meter

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Two-to-One Meter Exchange

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MX\*3\*\*\*\*\*\*32\*334545R | Start of Meter Exchange Loop, Meter Number being added |
| REF\*TD\*NM1MX | Change Reason indicating Meter Exchange |
| REF\*46\*335573R | Old Meter Number, indicating meter exchange |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*COMBO | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |
| NM1\*MR\*3\*\*\*\*\*\*32\*12345678MG | Start of Meter Removal Loop, Meter Number being removed |
| REF\*TD\*NM1MR | Change Reason indicating Meter Removal |

Example: **Accept Change Response – Two-to-One Meter Exchange**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Two-to-One Meter Exchange**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – One-to-Two Meter Exchange

Note that the Old Meter Number (REF\*46) is the same for both of the Meter Addition Loops. This indicates that one meter was exchanged for two meters.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MX\*3\*\*\*\*\*\*32\*334545R | Start of Meter Exchange Loop, Meter Number being added |
| REF\*TD\*NM1MX | Change Reason indicating Meter Exchange |
| REF\*46\*345573R | Old Meter, indicating that this is a Meter Exchange |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*COMBO | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |
| NM1\*MA\*3\*\*\*\*\*\*32\*12345678MG | Start of second Meter Addition Loop, Meter Number being added |
| REF\*TD\*NM1MA | Change Reason indicating Meter Addition |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*KHMON | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on the New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |

Example: **Accept Change Response – One-to-Two Meter Exchange**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – One-to-Two Meter Exchange**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Metered-to-Unmetered Exchange

One old meter is being replaced with Unmetered

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MX\*3\*\*\*\*\*\*32\*UNMETERED | Start of Meter Exchange Loop |
| REF\*46\*345573R | Old Meter Number – indicates that this was a meter exchange |
| REF\*TD\*NM1MX | Change Reason indicating Meter Exchange |

Example: **Accept Change Response – Metered-to-Unmetered Exchange**

One old meter is being replaced with Unmetered

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Metered-to-Unmetered Exchange**

One old meter is being replaced with Unmetered

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – ESP Changing Rate Ready Rate Code

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Start of Meter Attribute Change Loop, Meter Number |
| REF\*TD\*REFRB | Change reason indicating Rate Code change |
| REF\*RB\*A29 | New Rate Code |

Example: **Accept Change Response – ESP Changing Rate Ready Rate Code**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Change Response – ESP Changing Rate Ready Rate Code**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Meter Attribute(s) Change

Scenario: The LDC determines that an incorrect number of dials was sent on the Enrollment Response. The LDC sends a change request and includes all meter attributes.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MQ\*3\*\*\*\*\*\*32\*334545R | Start of Meter Attribute Change Loop, Meter Number |
| REF\*TD\*NM1MQ | Change Reason indicating Change of Meter Attribute |
| REF\*MT\*COMBO | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*6.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |

Example: **Accept Change Response – Meter Attribute Change**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Meter Attribute Change**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Load Profile, LDC Rate Class and Subclass Change – for specific meter

Scenario: The LDC changes the Load Profile and Rate Class. They also send along the Rate Subclass as a change so that the ESP can very clearly understand what has changed.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MQ\*3\*\*\*\*\*\*32\*334545R | Start of Meter Attribute Change Loop, Meter Number |
| REF\*TD\*REFLO | Change Reason indicating Load Profile |
| REF\*TD\*REFNH | Change Reason indicating LDC Rate Class |
| REF\*TD\*REFPR | Change Reason indicating LDC Rate Subclass |
| REF\*LO\*GS | New Load Profile |
| REF\*NH\*GS1 | New LDC Rate Class |
| REF\*PR\*123 | Existing LDC Rate Subclass |

Example: **Accept Change Response – Load Profile, LDC Rate Class and Subclass Change – for specific meter**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Load Profile, LDC Rate Class and Subclass Change – for specific meter**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Load Profile, LDC Rate Class and Subclass Change – for ALL meters

Scenario: The LDC changes the Load Profile and Rate Class. They also send along the Rate Subclass as a change so that the ESP can very clearly understand what has changed.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Start of Meter Attribute Change Loop, Meter Number |
| REF\*TD\*REFLO | Change Reason indicating Load Profile |
| REF\*TD\*REFNH | Change Reason indicating LDC Rate Class |
| REF\*TD\*REFPR | Change Reason indicating LDC Rate Subclass |
| REF\*LO\*GS | New Load Profile |
| REF\*NH\*GS1 | New LDC Rate Class |
| REF\*PR\*123 | Existing LDC Rate Subclass |

Example: **Accept Change Response – Load Profile, LDC Rate Class and Subclass Change – for ALL meters**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Change Response – Load Profile, LDC Rate Class and Subclass Change – for ALL meters**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number, transaction creation date, and original transaction reference number from request transaction |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Rejection Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Meter Read Cycle (no switch pending)

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Start of Meter Attribute Change Loop, Meter Number |
| REF\*TD\*REFTZ | Change Reason indicating Meter Cycle |
| REF\*TZ\*15 | New Meter Cycle |

Example: **Accept Response – Change in Meter Read Cycle**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Change Reject Response – Change in Meter Read Cycle**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Customer Name and/or Service Address

Scenario: The post office changes the customer’s postal address and the customer notices a spelling error on his name. Note that the Change document can only be used to make changes to the existing account, it cannot be used for a customer move.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | New Customer Name |
| N3\*123 N MAIN ST\*MS FLR13 | New service address for Customer |
| N4\*ANYTOWN\*PA\*18111 | New service address for Customer |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*TD\*N18R | Change Reason indicating Customer Address Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Change Date |

Example: **Change Accept Response – Customer Service Address**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Change Reject Response – Customer Service Address**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Billing Cycle

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REFBF | Change Reason indicating change in Billing Cycle |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*BF\*18 | New Billing Cycle |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Accept Response – Change Billing Cycle**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Response |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response – Change Billing Cycle**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Response |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – DUAL bill to LDC Rate Ready

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Response |
| REF\*TD\*REFBLT | Change Reason indicating change in BILL Type |
| REF\*TD\*REFPC | Change Reason indicating change in Production Code |
| REF\*TD\*AMTDP | Change Reason indicating change in Tax Exemption |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*BLT\*LDC | New Billing Type |
| REF\*PC\*LDC | New Bill Calculator |
| AMT\*DP\*.75 | New Tax Exemption Percentage |
| NM1\*MQ\*3\*\*\*\*\*\*32\*ALL | Start of Meter Attribute Change Loop, change affects ALL meters |
| REF\*TD\*REFRB | Change reason indicating Rate Code change |
| REF\*RB\*0300 | New Rate Code |

Example: **Change Accept Response – DUAL bill to LDC Rate Ready**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Change Reject Response – DUAL bill to LDC Rate Ready**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – DUAL to Bill Ready

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REFBLT | Change Reason indicating change in Billing Type |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*BLT\*LDC | New Billing Type |

Example: **Change Accept Response – DUAL to Bill Ready**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Change Reject Response – DUAL to Bill Ready**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Change Request – Bill Ready to DUAL

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REFBLT | Change Reason indicating change in Billing Type |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*BLT\*DUAL | New Billing Type |

Example: **Accept Response – Bill Ready to DUAL**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response – Bill Ready to DUAL**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Percentage of Service Supplied

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*AMT7N | Change Reason Indicating change in Percentage of service |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| AMT\*7N\*.66667 | New Percentage of service |

Example: **Accept Response – Change in Percentage of Service Supplied**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response – Change in Percentage of Service Supplied**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Percentage of Service Tax Exempt

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*AMTDP | Change Reason Indicating change in Percentage of service |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| AMT\*DP\*1 | New Tax Exemption Percentage |

Example: **Accept Response – Change in Percentage of Service Tax Exempt**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response – Change in Percentage of Service Tax Exempt**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Accept Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Peak Load Capacity

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*AMTKC | Change Reason Indicating change in Peak Load Capacity |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| AMT\*KC\*.752 | Change in Peak Load Capacity |

Example: **Accept Response – Change in Peak Load Capacity**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response – Change in Peak Load Capacity**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Network Service Peak Load

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*AMTKZ | Change Reason Indicating change in Network Service Peak Load |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| AMT\*KZ\*.758 | Change in Network Service Peak Load |

Example: **Accept Response – Change in Network Service Peak Load**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change in Network Service Peak Load**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Change Eligible Load Percentage

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*AMTQY | Change Reason Indicating change in Network Service Peak Load |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| AMT\*QY\*.66667 | Change in Eligible Load Percentage |

Example: **Accept Response - Change Eligible Load Percentage**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change Eligible Load Percentage**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Change Service Period Start

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*DTM150 | Change Reason Indicating change in Service Start Date |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*150\*19990415 | Change in Effective Start Date |

Example: **Accept Response - Change Service Period Start**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change Service Period Start**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Change Service Period End

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*DTM151 | Change Reason Indicating change in Service End Date |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*151\*19990415 | Change in Effective End Date |

Example: **Accept Response - Change Service Period End**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change Service Period End**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Change in Party to receive copy of bills

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N1\*2C\*THOMOS SMITH | Change in Party to receive copy of bills |
| N3\*4251 S ELECTRIC ST\*MS 25 | Change in address of the Party to receive copy of bills |
| N4\*ANYTOWN\*PA\*18111 | Change in address of the Party to receive copy of bills |
| PER\*IC\*THOMAS SMITH\*TE\*8005552878\*FX8005556789\*EM\*CUSTOMER@SERVICE.COM | Change in contact info of the Party to receive copy of bills |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*N12C | Change Reason Indicating change in Party to receive copy of bills |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Accept Response - Change in Party to receive copy of bills**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change in Party to receive copy of bills**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Delete Party to receive copy of bills

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*N12C\*D | Change Reason Indicating change in Party to receive copy of bills |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Accept Response - Delete Party to receive copy of bills**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Delete Party to receive copy of bills**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Add Party to receive copy of notices (not bills)

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N1\*PK\*THOMOS SMITH | Optional – Add additional Party to receive copy of notices |
| N3\*4251 S ELECTRIC ST\*MS 25 | Optional – Add additional address of the Party to receive copy of notices |
| N4\*ANYTOWN\*PA\*18111 | Optional – Add Additional address of the Party to receive copy of notices |
| PER\*IC\*THOMAS SMITH\*TE\*8005552878 | Optional – Add additional contact info of the Party to receive copy of notices |
| LIN\*APK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*N1PK\*A | Change Reason Indicating change in Party to receive copy of notices |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Accept Response - Add Party to receive copy of notices (not bills)**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*APK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Add Party to receive copy of notices (not bills)**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*APK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Delete Party to receive copy of Notices (not bills)

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N1\*PK\*THOMOS SMITH | Optional – Delete Party to receive copy of notices |
| N3\*4251 S ELECTRIC ST\*MS 25 | Optional – Delete additional address of the Party to receive copy of notices |
| N4\*ANYTOWN\*PA\*18111 | Optional – Delete Additional address of the Party to receive copy of notices |
| PER\*IC\*THOMAS SMITH\*TE\*8005552878 | Optional – Delete additional contact info of the Party to receive copy of notices |
| LIN\*DPK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*N1PK\*D | Change Reason Indicating change in Party to receive copy of notices |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

## Example: Accept Response - Delete Party to receive copy of Notices (not bills)

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*DPK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Reject Response - Delete Party to receive copy of Notices (not bills)

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*DPK1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request - Change in Billing Address

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| N1\*BT\*THOMOS SMITH | Change in Billing Address |
| N3\*4251 S ELECTRIC ST\*MS 25 | Change in Billing Address |
| N4\*ANYTOWN\*PA\*18111 | Change in Billing Address |
| PER\*IC\*THOMAS SMITH\*TE\*8005552878\*FX8005556789\*EM\*CUSTOMER@SERVICE.COM | Change in Billing Address contact |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*N1BT | Change Reason Indicating change in Billing Address |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Accept Response - Change in Billing Address**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Reject Response - Change in Billing Address**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change ESP Account Number for Customer

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF11 | Change Reason Indicating change in assigned account number for end use customer |
| REF\*11\*3452344567 | New ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

Example: **Accept Response - Change ESP Account Number for Customer**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response - Change ESP Account Number for Customer**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change in Interval Status

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF17 | Change Reason Indicating change in Interval Status |
| REF\*11\*3452344567 | New ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*17\*SUMMARY | Interval Status |

Example: **Accept Response – Change in Interval Status**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

Example: **Reject Response – Change in Interval Status**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*A76\*ACCOUNT NOT FOUND | Reject Reason |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

## Example: Request – Change Renewable Energy Provider Account Number for Customer

This example only shows the first few segments to show N1\*G7 segment LIN05 value of “RC” used by Renewable Energy Provider. Remaining segments would be identical to those used for an ESP transaction.

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*G7\*RENEWABLE CO\*9\*007909422GPM1\*\*41 | Renewable Energy Provider Name and DUNS information |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*RC | Unique transaction reference number, Renewable Energy Services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF11 | Change Reason Indicating change in assigned account number for end use customer |
| REF\*11\*3452344587 | New Renewable Energy Provider Account Number |
| REF\*12\*2931839201 | LDC Account Number |

**PECO PA Specific Samples for CC97**

**Example: ESP change, from summary to detailed, specifying meter-level**

**EDI 814 Change Request from ESP**

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF17 | Change Reason Indicating change in Interval Status |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*17\*METERDETAIL | Interval Status |

**EDI 814 Change Response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

**Example : ESP change, from detailed meter-level to summary**

**EDI 814 Change Request from ESP**

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF17 | Change Reason Indicating change in Interval Status |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*17\*SUMMARY | Interval Status |

**EDI 814 Change Response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*WQ\*001 | Accept Change Request |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |

**Example: For NON-INTERVAL account: ESP change, from summary to detailed, specifying account-level**

**EDI 814 Change Request from ESP**

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*40 | LDC Name, LDC DUNS information, receiver |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*41 | ESP Name, ESP DUNS information, submitter |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Change Request |
| REF\*TD\*REF17 | Change Reason Indicating change in Interval Status |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| REF\*17\*DETAIL | Interval Status |

**EDI 814 Change Response from EDC**

|  |  |
| --- | --- |
| BGN\*11\*1999040212001\*19990401\*\*\*1999040111956531 | Response, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*SI | Unique transaction reference number, electric generation services |
| ASI\*U\*001 | Reject Change Request |
| REF\*7G\*NIA\*NOT INTERVAL ACCOUNT | Reject Reason |
| REF\*11\*3452344567 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |

**Example: EDC meter exchange, with new meter providing interval data**

**EDI 814 Change Request from EDC (one-to-one meter exchange)**

|  |  |
| --- | --- |
| BGN\*13\*1999040111956531\*19990401 | Request, unique transaction identification number and transaction creation date |
| N1\*8S\*LDC COMPANY\*1\*007909411\*\*41 | LDC Name, LDC DUNS information, submitter |
| N1\*SJ\*ESP COMPANY\*9\*007909422ESP1\*\*40 | ESP Name, ESP DUNS information, receiver |
| N1\*8R\*CUSTOMER NAME | Customer Name |
| LIN\*CHG1999123108000001\*SH\*EL\*SH\*CE | Unique transaction reference number, electric generation services |
| ASI\*7\*001 | Request Change |
| REF\*11\*2348400586 | ESP Account Number |
| REF\*12\*2931839200 | LDC Account Number |
| DTM\*007\*19990415 | Effective Date of Change |
| NM1\*MX\*3\*\*\*\*\*\*32\*334545R | Start of Meter Exchange Loop, Meter Number being added |
| REF\*46\*345573R | Old Meter Number – indicates that this was a meter exchange |
| REF\*TD\*NM1MX | Change Reason indicating Meter Exchange |
| REF\*LO\*GS | Load Profile of New Meter |
| REF\*NH\*GS1 | LDC Rate Class of New Meter |
| REF\*PR\*123 | LDC Rate Subclass of New Meter |
| REF\*RB\*0300 | ESP Rate Code of New Meter |
| REF\*TZ\*18 | Meter Cycle of New Meter |
| REF\*MT\*COMBO\*I | Meter Type of New Meter |
| REF\*4P\*1\*KHMON | Meter Constant of New Meter |
| REF\*IX\*5.0\*KHMON | Number of Dials on New Meter |
| REF\*TU\*51\*KHMON | Consumption provided on the 867 |
| REF\*4P\*1\*K1MON | Meter Constant of New Meter |
| REF\*IX\*5.0\*K1MON | Number of Dials on New Meter |
| REF\*TU\*41\*K1MON | Consumption provided on the 867 |
| REF\*TU\*42\*K1MON | Consumption provided on the 867 |
| REF\*TU\*51\*K1MON | Consumption provided on the 867 |