Pennsylvania
New Jersey
Delaware
Maryland

Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

814

Change

Request and Response

Ver/Rel 004010

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	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)

	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)

5. 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 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**
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:	Recommended by UIG
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. Request: Required Accept Response: Required Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

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

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

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 12 Billing Account LDC assigned account number for end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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.

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 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

814 General Request, Response or Confirmation X12 Structure

Functional Group ID=GE

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and 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. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and 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	Name for Third Party Contact to receive copies of bills	PER02	N1: N101 = **2C**	X(60)

	bills				
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
78	ESP Rate	Actual ESP Billing Rate to be used by LDC to calculate ESP charges	AMT02	LIN: AMT01= **RJ**	9(2).9(4)
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. Des.	Data Element	Name	X12 Attributes	
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 814 General Request, Response or Confirmation	**M**	**ID 3/3**
Must Use	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**BGN01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 11 Response Signifies that the requested service will be addressed as described in this transaction. 13 Request	**M ID 2/2**
Must Use	**BGN02**	**127**	**Reference Identification** 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.	**M AN 1/30**
Must Use	**BGN03**	**373**	**Date** Date (CCYYMMDD) The transaction creation date – the date that the data was processed by the sender's application system.	**M DT 8/8**
Optional	**BGN06**	**127**	**Reference Identification** 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.	**O AN 1/30**

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:	Required
	Accept Response:	Required
	Reject Response:	Required for response if provided in the request
	ESP to LDC Request:	Required
	Response:	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. Des.	Data Element	Name	X12	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) LDC	**M**	**ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name LDC Company Name	**X**	**AN 1/60**
Must Use	**N103**	**66**	**Identification Code Qualifier** 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	**X**	**ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code LDC D-U-N-S Number or D-U-N-S + 4 Number	**X**	**AN 2/80**
Must Use	**N106**	**98**	**Entity Identifier Code** 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	**O**	**ID 2/3**

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:	Required
	Response:	Required
	ESP to LDC Request:	Required
	Accept Response:	Required
	Reject Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name ESP Company Name	**X AN 1/60**
Must Use	**N103**	**66**	**Identification Code Qualifier** 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	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code ESP D-U-N-S Number or D-U-N-S + 4 Number	**X AN 2/80**
Must Use	**N106**	**98**	**Entity Identifier Code** 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	**O ID 2/3**

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. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual	**M ID 2/3**
			G7 Entity Providing the Service	
			Renewable Energy Provider	
Must Use	**N102**	**93**	**Name** Free-form name	**X AN 1/60**
			Renewable Energy Provider Company Name	
Must Use	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67)	**X ID 1/2**
			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** Code identifying a party or other code	**X AN 2/20**
			Renewable Energy Provider D-U-N-S Number or D-U-N-S + 4 Number	
Must Use	**N106**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual.	**O ID 2/3**
			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: Required Accept Response: Required Reject Response: Required if provided in the request ESP to LDC Request: Required Accept Response: Required Reject Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** 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	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name Customer Name as it appears on the customer's bill	**X AN 1/60**
Conditional	**N103**	**66**	**Identification Code Qualifier** 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.	**X ID 1/2**

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:	Optional – Populate with new/current address if customer Service Address changes
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**N301**	**166**	**Address Information** Address information	**M AN 1/55**
Optional	**N302**	**166**	**Address Information** Address information	**O AN 1/55**

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:	Optional – Populate with new/current address if customer Service Address changes
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**N401**	**19**	**City Name** Free-form text for city name	**O**	**AN 2/30**
Must Use	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**
Must Use	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID 3/15**
Conditional	**N405**	**309**	**Location Qualifier** 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	**X**	**ID 1/2**
Conditional	**N406**	**310**	**Location Identifier** 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	**O**	**AN 1/30**

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: Optional Response: Not Used ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes	
Must Use	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named IC Information Contact	**M**	**ID 2/2**
Optional	**PER02**	**93**	**Name** Free-form name	**O**	**AN 1/60**
Must Use	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Must Use	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
Optional	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Optional	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
Optional	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Optional	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** 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	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name	**X AN 1/60**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**N301**	**166**	**Address Information** Address information	**M AN 1/55**
Optional	**N302**	**166**	**Address Information** Address information	**O AN 1/55**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**N401**	**19**	**City Name** Free-form text for city name	**O**	**AN 2/30**
Must Use	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**
Must Use	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID 3/15**
Optional	**N404**	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Required if bill address changes, and ESP is consolidated biller. Not allowed if ESP is not consolidated biller.
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named IC Information Contact	**M ID 2/2**
Optional	**PER02**	**93**	**Name** Free-form name	**O AN 1/60**
Must Use	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Must Use	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
Optional	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Optional	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
Optional	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Optional	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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:	N1*PK*ANN SMITH	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** 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.	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name	**X AN 1/60**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**N301**	**166**	**Address Information** Address information	**M**	**AN 1/55**
Optional	**N302**	**166**	**Address Information** Address information	**O**	**AN 1/55**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**N401**	**19**	**City Name** Free-form text for city name	**O**	**AN 2/30**
Must Use	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**
Must Use	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID 3/15**
Optional	**N404**	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named IC Information Contact	**M ID 2/2**
Optional	**PER02**	**93**	**Name** Free-form name	**O AN 1/60**
Must Use	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Must Use	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
Optional	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Optional	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**
Optional	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X ID 2/2**
Optional	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X AN 1/80**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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:	Not Used
	CE Accept Response:	Optional for Party to Receive Copy of Bills - BG&E, Delmarva & PEPCO – Not maintained in their system Not Used
	All other Accept Responses:	Not Used
	Reject Response:	
Example:	N1*2C*THOMAS SMITH	

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** 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.	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name	**X AN 1/60**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**N301**	**166**	**Address Information** Address information	**M AN 1/55**
Optional	**N302**	**166**	**Address Information** Address information	**O AN 1/55**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**N401**	**19**	**City Name** Free-form text for city name	**O**	**AN 2/30**
Must Use	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**
Must Use	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**ID 3/15**
Optional	**N404**	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**

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:	Optional
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes	
Must Use	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named IC Information Contact	**M**	**ID 2/2**
Optional	**PER02**	**93**	**Name** Free-form name	**O**	**AN 1/60**
Must Use	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Must Use	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
Optional	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Optional	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
Optional	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	**X**	**ID 2/2**
Optional	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**

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: Required Accept Response: Required Reject Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**LIN01**	**350**	**Assigned Identification** 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. .	**O AN 1/20**
Must Use	**LIN02**	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested	**M ID 2/2**

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. Des.	Data Element	Name		X12 Attributes
Must Use	**ASI01**	**306**	**Action Code** Code indicating type of action		**M ID 1/2**
			7	Request	
			U	Reject	
			WQ	Accept	
Must Use	**ASI02**	**875**	**Maintenance Type Code** Code identifying the specific type of item maintenance		**M ID 3/3**
			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: Required if change is at an account (LIN) or header level Response: 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. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification TD Reason for Change	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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 AMTRJ Change of ESP Rate Amount 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)	**X AN 1/30**

			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.	
			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)	
			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	

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	Optio	Yes for JCP&L	N	N/A

		implementation	nal	and Atlantic City Electric only		
REFBF – Bill Cycle	Y	4010 implementation	Optio nal	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	Optio nal	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				
AMTRJ – ESP Rate Code	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: Not Used Accept Response: Not Used Reject Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 7G Data Quality Reject Reason Reject reasons associated with a reject status notification.	**M ID 2/3**

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
NJ Listserver: 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: Not Used Accept Response: Required when status information must be conveyed. Reject Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**
			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
NJ Listserver: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 11 Account Number ESP-assigned account number for end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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: Required Accept Response: Required Reject Response: 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. ESP to LDC Request: Required Accept Response: Required Reject Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 12 Billing Account LDC-assigned account number for end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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:	Required if the account number has changed in the last 60 days.
	Response:	Not Used
	ESP to LDC Request:	Not Used
	Accept Response:	Required if the account number has changed in the last 60 days.
	Reject Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 45 Old Account Number LDC's previous account number for the end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BF Billing Center Identification LDC Billing cycle. Cycle number when the billing will be rendered.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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:	Optional
	Accept Response:	Optional
	Reject Response:	Optional
	ESP to LDC Request:	Optional
	Accept Response:	Optional
	Reject Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** 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.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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	**X AN 1/30**

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

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification PC Production Code Identifies the party that is to calculate the charges on the bill.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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)	**X AN 1/30**

IF …			THEN…	
Bills the Customer	**Calculates**		**Billing Party**	**Calc. Party**
	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: Optional for PJM Participants Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** 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.	**M ID 2/3**
Must Use	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content PJM LMP Bus – Note REF03 is used, not REF02!!	**X AN 1/80**

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: Not Used Response: Not Used ESP to LDC Request: Optional Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** 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.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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)	**X AN 1/30**

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: Required if special meter configuration is present Response: Not Used ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification KY Site Specific Procedures, Terms, and Conditions Special Meter Configuration	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

ASUN	Net Metering Solar
AWIN	Net Metering Wind
AHYD	Net Metering Hydro
ABIO	Net Metering Biomass
AWST	Net Metering Waste
ACHP	Net Metering Combined Heat and Power
AMLT	Net Metering Multiple Different Sources
NSUN	Non-Net Metering Solar
NWIN	Non-Net Metering Wind
NHYD	Non-Net Metering Hydro
NBIO	Non-Net Metering Biomass
NWST	Non-Net Metering Waste
NCHP	Non-Net Metering Combined Heat and Power
NFOS	Non-Net Metering Fossil Fuel
NMLT	Non-Net Metering Multiple Different Sources
NETMETER	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. Des.	Data Element	Name	X12 Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** 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.	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** 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.	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 151 Service Period End	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Optional Accept Response: Not Used Reject Response: Optional
NJ Use:	Not used
DE Use:	Not used
MD Use:	Not used
Examples:	AMT*7N*1 AMT*7N*.66667 AMT*7N*.5 AMT*7N*.33333

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** 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.	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** 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.	**M R 1/18**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount QY Qualified Eligible Load Percentage. Percentage of the customer's load that is eligible for competition.	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** 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.	**M R 1/18**

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:	Not Used
Response:	Not Used
ESP to LDC Request:	Optional
Accept Response:	Optional
Reject Response:	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. Des.	Data 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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** 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.	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** 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.	**M R 1/18**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount 5J Equipment Air conditioners that are part of load management program	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** Monetary amount Whole number that indicates number of devices that are part of load management program.	**M R 1/18**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** Code to qualify amount L0 Liquid Assets Water Heaters that are part of load management program	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** Monetary amount Whole number that indicates number of devices that are part of load management program.	**M R 1/18**

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:	Optional for PJM Participants 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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** 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).	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** Monetary amount Peak Load Capacity	**M R 1/18**

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:	Optional for PJM Participants 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. Des.	Data Element	Name	X12 Attributes
Must Use	**AMT01**	**522**	**Amount Qualifier Code** 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).	**M ID 1/3**
Must Use	**AMT02**	**782**	**Monetary Amount** Monetary amount Network Service Peak Load	**M R 1/18**

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: Required if changing meter level information Response: Optional ESP to LDC Request: Required if changing meter level information Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**NM101**	**98**	**Entity Identifier Code** 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	**M ID 2/3**
Must Use	**NM102**	**1065**	**Entity Type Qualifier** Code qualifying the type of entity 3 Unknown	**M ID 1/1**
Must Use	**NM108**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 32 Assigned by Property Operator Meter Number	**X ID 1/2**

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: Required if change is at a meter level Response: Optional
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*TD*REFRB

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification TD Reason for Change	**M ID 2/3**
	REF02	**127**	**Reference Identification** 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 Meter Exchange REFLF Loss Factor REFLO Change Load Profile REFNH Change Utility Rate Class or Tariff REFPR Change Unit Pricing Category Under a Rate Code REFRB Change ESP Rate REFSV Service Voltage REFTZ Change Meter Cycle	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**

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:	Required for MX loop, not used for other Meter Loops.
	Accept Response:	Not Used
	Reject Response:	Optional
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 46 Old Meter Number	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification LF Load Planning Number Loss Factor	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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:	Optional
	Accept Response:	Not Used
	Reject Response:	Optional
	ESP to LDC Request:	Not Used
	Response:	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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification LO Load Planning Number Load profile	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification NH Rate Card Number Identifies a LDC rate class or tariff	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification PR Price Quote Number LDC Rate Subclass – Used to provide further classification of a rate.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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: Not Used Response: Not Used ESP to LDC Request: Optional Accept Response: Optional Reject Response: Optional
NJ Use:	Same as PA
DE Use:	Not Used
MD Use:	Same as PA
Example:	REF*RB*A29

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification RB Rate code number ESP Rate Code for the customer	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification SV Service Charge Number Service Voltage	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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)	**X AN 1/30**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification TZ Total Cycle Number LDC Meter Cycle. Cycle number when the meter will be read.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

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: Required for change of Meter Type, Meter Multiplier, # Dials and Type of usage sent on 867 Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification MT Meter Ticket Number Meter Type	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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:	**X AN 1/30**

Type of Consumption

K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand
K3	Kilovolt Amperes Reactive Hour
K4	Kilovolt Amperes
K5	Kilovolt Amperes Reactive
KH	Kilowatt Hour
T9	Thousand Kilowatt Hours

Metering Interval

Nnn	Number of minutes from 001 to 999
ANN	Annual
BIA	Bi-annual
BIM	Bi-monthly
DAY	Daily
MON	Monthly
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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 4P Affiliation Number Meter Constant (Meter Multiplier) (Ending Reading – Beginning Reading) * Meter Multiplier = Billed Usage	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
Must Use	**REF03**	**352**	**Description** 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.	**X AN 1/80**

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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** 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.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
Must Use	**REF03**	**352**	**Description** 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.	**X AN 1/80**

# 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: Optional Accept Response: Not Used Reject Response: Optional ESP to LDC Request: Not Used Response: 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. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** 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.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** 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	**X AN 1/30**
Must Use	**REF03**	**352**	**Description** 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.	**X AN 1/80**

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. Des.	Data Element	Name	X12 Attributes
Must Use	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
Must Use	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

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***1999040111956 531	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***1999040111956 531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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***199904011195 6531	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