

New Jersey

Gas

Implementation

Guideline

For
Electronic Data Interchange

TRANSACTION SET

814

Change

Request and Response

Ver/Rel 004010

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Summary of Changes

February 22, 2000 Version 1.0	<ul style="list-style-type: none"> Initial Release
March 29, 2000 Version 1.1	<ul style="list-style-type: none"> Corrected examples, changed LDC to GDC, corrected spelling errors.
May 24, 2000 Version 1.2	<ul style="list-style-type: none"> Instituted redlining of the document. Deleted examples that do not pertain to New Jersey. Deleted codes that are not applicable to New Jersey. Corrected units of measure to reflect natural gas.
June 13, 2000 Version 1.3	<ul style="list-style-type: none"> Changed NJ Notes section to reflect new change types required for New Jersey Natural Gas Updated change codes to reflect options applicable for natural gas in New Jersey Moved ESP rate code information from the account to the meter level Moved ESP rate amount information from the account to the meter level Added REF segments to incorporate New Jersey Natural Gas requirements: <ul style="list-style-type: none"> REF*PRT – Capacity Release Option REF*BN – ESP Rate Amount REF*DQ – Highest Month Average Daily (HMAD) REF*SJ – Maximum Daily Quantity (MDQ) Deleted “COMBO” as a valid measurement type Modified notes on REF*NH and REF*PR to reflect New Jersey Natural Gas requirements: <ul style="list-style-type: none"> Supplier may send REF*NH to indicate Transportation Service Type Supplier may send REF*PR to indicate Temperature Sensitive Delivery option
December 15, 2000 Version 1.4	<ul style="list-style-type: none"> Modified segment REF* SJ New Jersey Natural Gas requirements to add note on REF03
May 24, 2000 Version 1.5	<ul style="list-style-type: none"> Segment REF*BN (Rate Amount) moved REF03 description to REF02 and deleted REF03 Clarified NJ Use on segment REF*RB Modified notes on segment REF*NH to clarify NJNG transportation service options and updated examples. Modified notes on segment REF*SJ to clarify NJNG transportation service options. Segment REF*NH updated examples. Segment REF*PR, clarified NJNG use note and updated example Segment REF*PRT, corrected element name Added Table of Contents. Added Data Dictionary. Alphabetized REF segments at logical levels. Changed REF*PRT use valid values to Y,N and updated data dictionary to reflect change
June 21, 2001 Version 1.6	<ul style="list-style-type: none"> Removed note referencing SJG on segment REF*BN Added “Tracking number on Request and Response transactions” note in Notes section. Corrected Use Note on Segment REF*11 (ESP Account Number)

	<ul style="list-style-type: none"> Updated note “Unknown LIN05 codes” in Notes section
August 8, 2001 Version 1.7	<p>PSEG CAS changes</p> <ul style="list-style-type: none"> NJ Notes – added Billing type to GDC changes page 13 REF*7G (rejection Reason Code) update code “CO2” to also be valid in NJ page 51
March 27, 2002 Version 1.8	<ul style="list-style-type: none"> Corrected Use Note on Segment REF*45 (Old GDC Account Number) Added Examples for Change of GDC Account Number
April 30, 2002 Version 1.8.1	<ul style="list-style-type: none"> Modified NJ Use; notes to clarify, this was done due to TPS misunderstanding of notes that became apparent during EDI Certification testing Corrected examples, changed LDC to GDC, corrected spelling errors. Removed reference to other states
December 12, 2003 Version 1.9	<ul style="list-style-type: none"> Changes by State – Required Implementation Date page update for PSE&G 2/2004 Implementation Date <ul style="list-style-type: none"> NM1MA – Meter Addition NM1MR – Meter Removal NM1MX – Meter Exchange
February 23, 2012 Version 2.0	<ul style="list-style-type: none"> For South Jersey Gas: <ul style="list-style-type: none"> Updated NM1 segment Notes that SJG only accepts NM109 = ALL Updated REFBN segment notes to include SJG Updated REFRB segment notes to include SJG
December 12, 2012 Version 2.1	<ul style="list-style-type: none"> For Elizabethtown Gas Co. <ul style="list-style-type: none"> 814C Request and Response <ul style="list-style-type: none"> Updated to reflect ETG now supports GDC initiated changes.
December 21, 2012 Version 2.2	<ul style="list-style-type: none"> Removed N12C and N1PK segments and removed from REFTD codes
April, 2013 Version 2.3	<ul style="list-style-type: none"> Removed Segments AMTDP, REFSJ, and REFPRT and removed from REFTD codes. Added note to clarify Bill Option changes for SJG
September 10, 2014 Version 2.4	<ul style="list-style-type: none"> Updated Change Reason Code Table for SJG. Added note that SJG requires both REFBLT and REFPC on change requests. Removed NJ Notes line regarding SJG bill option changes

Notes	
One Account per 814	<ul style="list-style-type: none"> One customer account per 814.
Tracking number on Request and Response transactions	<ul style="list-style-type: none"> 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).
Multiple LINS	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.
Unknown LIN05 codes	<p>Preferred:</p> <ul style="list-style-type: none"> If an GDC receives a request for a service that it does not support (whether the state supports it or not), the GDC should reject it with a REF*7G*SDE*SERVICE DOES NOT EXIST <p>Optional:</p> <ul style="list-style-type: none"> If an GDC receives a request for a service that it does not support (whether the state supports it or not), the GDC should accept it, but then send a status code REF*1P*SNP*SERVICE NOT PROVIDED
Rejection vs. Acceptance with Status Reason code	<ul style="list-style-type: none"> 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.
GDC Definitions:	<ul style="list-style-type: none"> The term GDC (Gas Distribution Company) in this document refers to the utility.
ESP Definitions:	<ul style="list-style-type: none"> The term ESP (Energy Service Provider) in this document refers to the supplier.

Change Transaction Detailed Notes:

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, GDC may need to notify any suppliers of the consequent change in their effective start or end dates. GDC 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) *

GDC Rate Class (REF*NH) *

GDC 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, GDC Rate Class and GDC 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 for 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)

	<p>REF*MT REF*4P REF*IX REF*TU REF*LO REF*NH REF*PR REF*RB REF*TZ REF*46 (implies meter removed)</p> <p>5. Expectations:</p> <ul style="list-style-type: none"> • 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.
<p>Use of REF*TD segment</p>	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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)
<p>Changing Billing related fields as it relates to one change per LIN</p>	<p>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.</p> <ul style="list-style-type: none"> • Change from DUAL Bill to GDC Rate Ready <ul style="list-style-type: none"> • Following REF*TD codes must be sent: REF*TD*REFBLT, REF*TD*REFPC, REF*TD*REFRB 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), ESP Rate Amount (REF*BN) – SJG. • Change from DUAL Bill to GDC Bill Ready <ul style="list-style-type: none"> • Following REF*TD code must be sent: REF*TD*REFBLT • Following field must be sent: Bill type (REF*BLT) • Change from GDC Rate Ready to DUAL Bill

	<ul style="list-style-type: none"> • 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) • GDC will initialize following fields - ESP Rate Code (REF*RB). • Change from GDC Bill Ready to DUAL Bill <ul style="list-style-type: none"> • Following REF*TD codes must be sent: REF*TD*REFBLT • Following field must be sent: Bill type (REF*BLT) • If customer is already GDC 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. • For SJG Rate Ready, if changing Rate Amount (REF*BN) only the ESP Rate Code (REF*RB) is not required. The associated REF*TD will be REF*TD*REFBN
Response Transaction	<ul style="list-style-type: none"> • The Change Response Transaction will be formatted as follows: <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Note that the change transaction may be used to request that the GDC start to carry the ESP account number, if one had not been provided on the initial Enrollment Request transaction.

NJ Notes

GDC Initiated Changes	<ul style="list-style-type: none"> • If the following fields are changed within the utility’s system, a supporting 814 Change document must be sent to the supplier: <ul style="list-style-type: none"> • GDC account number • Meter read cycle • Billing cycle • Billing Type • HMAD value (New Jersey Natural Gas only) <p>All other changes are considered optional upon market opening. They may be made mandatory at a later time.</p>
ESP Initiated Changes	<ul style="list-style-type: none"> • The utilities must support receiving the following changes: <ul style="list-style-type: none"> • ESP account number • Billing determinants of Bill type, Bill Calculator, ESP Rate Code (Rate Ready), ESP Rate Amount (Rate Ready)

How to Use the Implementation Guideline

Segment: **REF** Reference Identification
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

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

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

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

Must Use	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account GDC 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

Functional Group ID=**GE**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the General Request, Response or Confirmation Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to request actions to be performed, to respond to a request for actions to be performed or to confirm information related to actions performed.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Attributes</u>		<u>Loop Repeat</u>	<u>Notes and Comments</u>
				<u>Des.</u>	<u>Max.Use</u>		
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
LOOP ID - N1							>1
Used	040	N1	Name (8S = GDC Name)	O	1		n1
LOOP ID - N1							>1
Used	040	N1	Name (SJ = ESP Name)	O	1		
LOOP ID - N1							>1
Used	040	N1	Name (8R = Customer Name)	O	1		
Used	060	N3	Address Information	O	2		
Used	070	N4	Geographic Location	O	1		
Used	080	PER	Administrative Communications Contact	O	>1		
LOOP ID - N1							>1
Used	040	N1	Name (BT = Customer Bill To Name)	O	1		
Used	060	N3	Address Information	O	2		
Used	070	N4	Geographic Location	O	1		
Used	080	PER	Administrative Communications Contact	O	>1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Attributes</u>		<u>Loop Repeat</u>	<u>Notes and Comments</u>
				<u>Des.</u>	<u>Max.Use</u>		
LOOP ID - LIN							>1
Used	010	LIN	Item Identification	O	1		
Used	020	ASI	Action or Status Indicator	O	1		
Used	030	REF	Reference Identification (TD = Reason for Change)	O	>1		
Used	030	REF	Reference Identification (7G = Reject Reason)	O	>1		
Used	030	REF	Reference Identification (1P = Accessorial Status Code)	O	>1		
Used	030	REF	Reference Identification (11 = ESP Account Number)	O	>1		
Used	030	REF	Reference Identification (12 = GDC Account Number)	O	>1		

Used	030	REF	Reference Identification (45 = GDC Old Account Number)	O	>1	
Used	030	REF	Reference Identification (BF = GDC Billing Cycle)	O	>1	
Used	030	REF	Reference Identification (BLT = Billing Type)	O	>1	
Used	030	REF	Reference Identification (PC = Calculates Charges)	O	>1	
Used	040	DTM	Date/Time Reference (007 = Effective Date)	O	>1	
Used	040	DTM	Date/Time Reference (150 = Service Period Start)	O	>1	
Used	040	DTM	Date/Time Reference (151 = Service Period End)	O	>1	
			LOOP ID - NM1		>1	
Used	080	NM1	Individual or Organizational Name (Meter Number)	O	1	n2
Used	130	REF	Reference Identification (TD = Reason for Change)	O	>1	
Used	130	REF	Reference Identification (46 = Old Meter Number)	O	>1	
Used	130	REF	Reference Identification (BN = Rate Amount)	O	>1	
Used	130	REF	Reference Identification (DQ = Highest Month Average Daily (HMAD))	O	>1	
Used	130	REF	Reference Identification (NH = GDC Rate Class)	O	>1	
Used	130	REF	Reference Identification (PR = GDC Rate Subclass)	O	>1	
Used	130	REF	Reference Identification (RB = ESP Rate Code)	O	>1	
Used	130	REF	Reference Identification (TZ = GDC Meter Read Cycle)	O	>1	
Used	130	REF	Reference Identification (MT = Meter Type)	O	>1	
Used	130	REF	Reference Identification (4P = Meter Constant (Meter Multiplier))	O	>1	
Used	130	REF	Reference Identification (IX = Number of Dials)	O	>1	
Used	130	REF	Reference Identification (TU = Type of Metering Information)	O	>1	
M	150	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. The N1 loop is used to identify the transaction sender and receiver.
2. The NM1 loop is used to identify the parties associated with the individual line item (LIN), such as an individual consumer in a consolidated third party Consumer Service Provider transaction.

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
Comments:
Business Rules: Variable Name: STST
Notes: NJ Use: Required
 Example: ST*814*000000001

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 814 General Request, Response or Confirmation	M ID 3/3
M	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
Comments:

Notes: NJ 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	Attributes
M	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
M	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
M	BGN03	373	Date Date expressed as CCYYMMDD The transaction creation date - the date that the data was processed by the sender's application system.	M DT 8/8
O	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 = GDC Name)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Notes: NJ Use:
 GDC to ESP Request: Required
 ESP to GDC Accept Response: Required
 ESP to GDC Reject Response: Required for response if provided in the request

 ESP to GDC Request: Required
 GDC to ESP Response: Required

 Request Example: N1*8S*GDC COMPANY*1*007909411**40 (as Receiver)
 Response Example: N1*8S*GDC COMPANY*1*007909411**41 (as Sender)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) GDC	M ID 2/3
M/U	N102	93	Name Free-form name GDC Company Name	X AN 1/60
M/U	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
M/U	N104	67	Identification Code Code identifying a party or other code GDC D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80
M/U	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 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 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Notes: NJ Use:
 GDC to ESP Request: Required
 ESP to GDC Response: Required

 ESP to GDC Request: Required
 GDC to ESP Accept Response: Required
 GDC to ESP Reject Response: Required for response if provided in the request

 Request Example: N1*SJ*ESP COMPANY*9*007909422ESP1**41 (as Sender)
 Response Example: N1*SJ*ESP COMPANY*9*007909422ESP1**40 (as Receiver)

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	N102	93 Name Free-form name ESP Company Name	X AN 1/60
M/U	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
M/U	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
O	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	O ID 2/3

Entity transmitting transaction set

Segment: **N1** Name (8R = Customer Name)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.
Notes: NJ Use: If changing the customer's name or written service address (not physical address) use the N101 = 8R loop for the new/current information

GDC to ESP Request: Required
 ESP to GDC Accept Response: Required
 ESP to GDC Reject Response: Required if provided in the request

 ESP to GDC Request: Required
 GDC to ESP Accept Response: Required
 GDC to ESP Reject Response: Required for response if provided in the request

Request Examples: N1*8R*CUSTOMER NAME
 Response Example: N1*8R*CUSTOMER NAME

Data Element Summary

Ref.	Data	Element	Name	Attributes
M	<u>Des.</u> N101	98	<u>Name</u> 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 GDC service account	M ID 2/3
M/U	N102	93	<u>Name</u> Free-form name Customer Name as it appears in the sender's system.	X AN 1/60
D	N103	66	<u>Identification Code Qualifier</u> Code designating the system/method of code structure used for Identification Code (67) Reference Number assigned by and meaningful to the customer. Note that this number is assigned to the GDC and may or may not be applicable to the ESP. Condition: The N103 and N104 are optional only on the documents sent by the GDC. 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
		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 GDC and may or may not be applicable to the ESP. Condition: The N103 and N104 are optional only on the	

documents sent by the GDC. This information is provided at the point of time of the enrollment; an 814 change will not necessarily be processed if this data changes.

D **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 GDC and may or may not be applicable to the ESP. Condition: The N103 and N104 are optional only on documents sent by the GDC. 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 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Comments:

Notes: NJ Use: Note that the service address is only sent when a written address changes. This transaction cannot be used for a physical address change.

GDC to ESP Request: Optional - Populate with new/current address if customer Service Address changes
 Response: Not Used

ESP to GDC Request: Not Used
 Response: Not Used

Example: N3*123 N MAIN ST*MS FLR13

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address Information	M AN 1/55
O	N302	166	Address Information Address Information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
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.

Notes: NJ Use:
 GDC to ESP Request: Optional - Populate with new/current address if customer Service Address changes
 ESP to GDC Response: Not Used

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Examples: N4*ANYTOWN*NJ*07017
 N4*ANYTOWN*NJ*070170001

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M/U	N401	19	City Name Free-form text for city name	O AN 2/30
M/U	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
M/U	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

Segment: **PER Administrative Communications Contact**
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Comments:
Notes: NJ Use: Used to provide customer contact information

GDC to ESP Request: Optional
 ESP to GDC Response: Not Used

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Examples: PER*IC**TE*8005559876
 PER*IC*JOE DOE*TE*8005559876*FX*8005551111*EM*JOE@SERVICE.COM

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
O	PER02	93	Name Free-form name	O AN 1/60
O	PER03	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
O	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
O	PER05	365	Communication Number Qualifier Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	X ID 2/2
O	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
O	PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
O	PER08	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80

Segment: **N1** Name (BT = Customer Bill To Name)
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Notes: NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Response: Not Used

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Example: N1*BT*ACCOUNTS PAYABLE DIVISION

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BT Bill-to-Party	
		Used to identify a billing address for the customer	
M/U	N102	93 Name	X AN 1/60
		Free-form name	
		Customer Name as it appears in the sender's system.	

Segment: **N3** Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Comments:

Notes: NJ Use: Note that the service address is only sent when a written address changes. This transaction cannot be used for a physical address change.

GDC to ESP Request: Optional - Populate with new/current address if customer Service Address changes
 Response: Not Used

ESP to GDC Request: Not Used
 Response: Not Used

Example: N3*123 N MAIN ST*MS FLR13

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address Information	M AN 1/55
O	N302	166	Address Information Address Information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
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.

Notes: NJ Use:
GDC to ESP Request: Optional - Populate with new/current address if customer
Service Address changes
ESP to GDC Response: Not Used

ESP to GDC Request: Not Used
GDC to ESP Response: Not Used

Examples: N4*ANYTOWN*NJ*07017
N4*ANYTOWN*NJ*070170001

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M/U	N401	19	City Name Free-form text for city name	O AN 2/30
M/U	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
M/U	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15

Segment: **PER Administrative Communications Contact**
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Comments:
Notes: NJ Use: Used to provide customer contact information

GDC to ESP Request: Optional
 ESP to GDC Response: Not Used

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Examples: PER*IC**TE*8005559876
 PER*IC*JOE DOE*TE*8005559876*FX*8005551111*EM*JOE@SERVICE.COM

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named	M ID 2/2
O	PER02	93	Name Free-form name	O AN 1/60
O	PER03	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
O	PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
O	PER05	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
O	PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80
O	PER07	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
O	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 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
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.
Notes: Version 4010 restricts the use of LIN03 to identify the product (gas) and LIN05 to identify the service being requested. For example, LIN*SH*GAS*SH*CE indicates that the product is gas and 'generation services' is the service being requested. Multiple LINS may be sent to request multiple services for one account.

NJ Use:
 Request: Required
 Accept Response: Required
 Reject Response: Required if it was provided on the request.

Examples: LIN*CHG199912310800001*SH*GAS*SH*CE

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M/U	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. This tracking number was provided in REF*TN in Version 3070.	O AN 1/20
M	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested A numeric or alphanumeric code from a list of services available to the customer	M ID 2/2
M	LIN03	234	Product/Service ID Identifying number for a product or service GAS Gas Service Identifies the product	M AN 1/48
M	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested A numeric or alphanumeric code from a list of services available to the customer	M ID 2/2
M	LIN05	234	Product/Service ID Identifying number for a product or service CE Customer Enrollment Indicates that this transaction is related to Customer Enrollment.	M AN 1/48

Note: This code remains "CE" for natural gas.

Segment: **ASI** **Action or Status Indicator**
Position: 020
Loop: LIN Optional
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

Comments:

Notes:

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.

NJ Use:

Request: Required

Response: Required

Request Example: ASI*7*001

Response Examples: ASI*WQ*001 Accept Response
 ASI*U*001 Reject Response

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ASI01	306	Action Code Code indicating type of action 7 Request U Reject WQ Inability to accept for processing due to the lack of required information Accept	M ID 1/2
M	ASI02	875	Maintenance Type Code Code identifying the specific type of item maintenance 001 Change	M ID 3/3

Segment: **REF** **Reference Identification (TD = Reason for Change)**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

Notes: This convention of the REF segment is used for account maintenance, to convey change reason codes. 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 REBLT indicates that data in the REF segment that is identified by the qualifier BLT (i.e., Bill Presenter) has been changed to the value now shown in REF02.
NJ Use:
Request: Required if change is at an account (LIN) or header level
Response: Optional
Example: REF*TD*REFBLT

See APPENDIX A at end of document of table of which changes are supported

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		TD Reason for Change	
M/U	REF02	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		DTM150 Change Service Period Start Date	
		DTM151 Change Service Period End Date	
		N18R Change in Customer Name and/or Service Address	
		N1BT Change in Billing Address	
		REF11 Change ESP-Assigned Account Number for the End Use Customer	
		REF12 Change GDC-Assigned Account Number for the End Use Customer	
		REFBF Change Billing Cycle	
		REFBLT Change Billing Type (Bill Presenter)	
		REFPC Change Party that Calculates the Bill	
D	REF03	352 Description	X AN 1/80
		D Indicates the party name and address to be deleted.	
		Required if deleting the Billing Address -N1BT	

Segment: **REF** **Reference Identification (7G = Reject Reason)**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
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.
NJ Use: If an GDC receives a request for a service that the state does not support, the GDC should reject it with a REF*7G* SDE*SERVICE DOES NOT EXIST

 If an GDC receives a request for a service that the state supports, but the GDC does not, the GDC 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
Example: REF*7G*A13*ADDITIONAL REASON TEXT HERE

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Rules for Rejection Reason Codes The codes on the next several pages have been identified 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 state's document owner. "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 state's document owner 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. For New Jersey's natural gas implementation, the state's document owner is Energy Services Group, who can be reached at: teamnj@energyservicesgroup.net.	X AN 1/30
		008	Account exists but is not active	

A13 Other
 REF03 Required. Send email to teamnj@energyservicesgroup.net 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.

A77 Name specified does not match account

A84 Invalid Relationship (not ESP of record)

ABN Duplicate request received

ANL Service provider not licensed to provide requested service

API Required information missing (REF03 Required)

C11 Change reason (REF*TD) missing or invalid

C13 Multiple Change Request Not Supported

C02 Customer on Credit Hold
 Valid in PSEG when consolidated bill requested for customer who has been switched to DUAL billing due to delinquencies when making the other party whole.

FRB Incorrect Billing Option (REF*BLT) Requested

FRC Incorrect Bill Calculation Type (REF*PC) Requested

UND Cannot identify ESP

UNE Cannot identify GDC

W05 Requested Rate not found or not in effect on the requested date (Rate Ready Only).

O	REF03	352	Description	X AN 1/80
<p>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.</p>				

Segment: **REF** **Reference Identification (1P = Accessorial Status Code)**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
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.

NJ Use: Request:

Accept Response:

Reject Response: Not Used

Required when status information must be conveyed.

Required when status information must be conveyed.

Example: REF*1P*A13*ADDITIONAL REASON TEXT HERE

REF*1P*C10*CHANGE NOT SUPPORTED

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Code Code qualifying the Reference Identification 1P Accessorial Status Code Used in the instance where the 814 Change Request is accepted, but additional status information must be provided	M ID 2/3
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Rules for Status Reason Codes	X AN 1/30

The codes below have been identified 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 state's document owner.

"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 state's document owner 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.

For New Jersey's natural gas implementation, the state's document owner is Energy Services Group, who can be reached at: teamnj@energyservicesgroup.net.

A13 Other
REF03 Required. Send email to
teamnj@energyservicesgroup.net 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

O **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 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: 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 GDC account number, there is not a field that must be populated for old ESP account number.
 NJ Use:
 GDC to ESP Request: Conditional - GDC's are required to provide this data if store in their system.
 ESP to GDC Accept Response: Required (See *) if it was provided on request.
 ESP to GDC Reject Response: Required (See *) if it was provided on request.
 ESP to GDC Request: Required (See *) if it was provided previously
 GDC to ESP Accept Response: Required (See *) if it was provided on the request.
 GDC to ESP Reject Response: Required (See *) if it was provided on the request
 GDCs are not required to store ESP account number their system. GDCs if storing will do so if provided on 814 enrollment and/or 814 change. If GDC does store ESP account number, GDC will provide ESP account number on all transactions.
 All GDCs except for Elizabethtown are storing ESP account number.
 Example: REF*11*2348400586

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	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 = GDC Account Number)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: NJ 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 GDC account number, the new/current account number appears in this segment and the previous account number appears in the REF*45 segment.
 GDC to ESP Request: Required
 ESP to GDC Accept Response: Required
 ESP to GDC Reject Response: Required - when the rejection reason is due to a GDC account number not being provided in the request, this segment must not be sent on the response.
 ESP to GDC Request: Required
 GDC to ESP Accept Response: Required
 GDC to ESP Reject Response: Required - when the rejection reason is due to a GDC account number not being provided in the request, this segment must not be sent on the response.
 Example: REF*12*2931839200

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account GDC-assigned account number for end use customer.	M ID 2/3
M/U	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 = GDC Old Account Number)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Notes:
 NJ Use:
 GDC to ESP Request: Required if the GDC account number is being changed.
 ESP to GDC Response: Required if the GDC account number is being changed.

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: REF*45*1105687500

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number GDC's previous account number for the end use customer.	M ID 2/3
M/U	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 = GDC Billing Cycle)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Notes:
 NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: REF*BF*15

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BF Billing Center Identification GDC Billing cycle. Cycle number when the billing will be rendered.	M ID 2/3
M/U	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 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Notes:
 NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Optional (required by SJG)
 GDC to ESP Accept Response: Not Used
 GDC to ESP Reject Response: Optional

 Example: REF*BLT*LDC

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BLT Billing Type Identifies whether the bill is consolidated by the GDC or ESP, or whether each party will render their own bill. See REF02 for valid values.	M ID 2/3
M/U	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 GDC 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 = Calculates Charges)
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Notes:
 NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Optional (required by SJG)
 GDC to ESP Accept Response: Not Used
 GDC to ESP Reject Response: Optional

 Example: REF*PC*LDC

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	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 GDC 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

Segment: **DTM** **Date/Time Reference (007 = Effective Date)**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Comments:

Notes: This date is sent by the GDC 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.
NJ Use:
 GDC to ESP Request: Required if change is not date related
 ESP to GDC Response: Not Used

 ESP to GDC Request: Not Used
 GDC to ESP Accept Response: Required if change is not date related
 GDC to ESP Reject Response: Not Used

Example: DTM*007*20121221

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 007 Effective The date that this change will take or has taken effect.	M ID 3/3
M/U	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

Segment: **DTM** **Date/Time Reference (150 = Service Period Start)**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Comments:

Notes:
 NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: DTM*150*20121221

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

Segment: **DTM** **Date/Time Reference (151 = Service Period End)**
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Comments:
Notes:

NJ Use
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: DTM*151*20121221

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

Segment: **NM1** Individual or Organizational Name (Meter Number)
Position: 080
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: Notes: This loop is used to convey meter level information.
 NM1 loop may be sent in any order
 NJ Use: Please see the rules for the use of this Loop on the Notes page.
 GDC to ESP Request: Required if changing meter level information
 ESP to GDC Response: Optional
 ESP to GDC Request: Required if changing meter level information
 South Jersey Gas will only accept NM109=ALL
 GDC to ESP Response: Optional
 Examples: NM1*MR*3*****32*1234568MG
 NM1*MA*3*****32*UNMETERED
 NM1*MQ*3*****32*ALL
 NM1*MX*3*****32*334545R

Data Element Summary

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual MA Meter Addition Use when adding a meter to an existing account MQ Metering Location Meter Level Information Change – use when changing Meter level Information or Attribute(s) for an existing Meter. See notes section. MR Meter Removal Use when removing a meter from an existing account MX Meter Exchange Use when exchanging a meter	M ID 2/3
M	NM102	1065	Entity Type Qualifier Code qualifying the type of entity	M ID 1/1
M/U	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
M/U	NM109	67	Identification Code Code identifying a party or other code	X AN 2/80

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)**
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

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 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 REFRB indicates that data in the REF segment that is identified by the qualifier RB (i.e. ESP Rate) has been changed to the value now shown in REF02 of the REF*RB segment.

NJ Use:
Request: Required if change is at a meter level
Response: Optional

Example: REF*TD*REFRB

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TD Reason for Change	M ID 2/3
O	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 REFBN Change ESP Rate Amount REFDQ Change HMAD Amount REFNH Change GDC Rate Class or Tariff REFPR Change GDC Rate SubClass REFRB Change ESP Rate REFTZ Change Meter Cycle	X AN 1/30
O	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **REF** Reference Identification (46 = Old Meter Number)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:

Notes: Notes Segment implies Meter Removal.
 NJ Use:
 GDC to ESP Request: Required for MX loop, not used for other Meter Loops.
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: REF*46*9938526S

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 46 Old Meter Number Identifies meters being removed	M ID 2/3
M/U	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 (BN = Rate Amount)**
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

NJ Use:
 Request: Required For New Jersey Natural Gas and South Jersey Gas if the GDC is calculating the ESP charges (Rate Ready) and the ESP would like to change rates. SJG does not require the REFRB (ESP Rate Code) to be sent in conjunction. NJNG requires both REFRB and REFBN for Rate Amount changes.

 Response: Not Used

 Examples: REF*BN*0.12345
 REF*BN*10.00001

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BN Rate Amount ESP Rate for the customer displayed as monetary amount.	M ID 2/3
O	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Monetary Amount in format of max. 2 digits to left of the decimal point, and of max. 5 digits to the right of decimal point.	X AN 1/30
			Example for 3.5 cents per therm REF*BN*0.035 Example for 4.5 dollars per therm REF*BN*4.50	

Segment: **REF** Reference Identification (DQ = Highest Month Average Daily (HMAD))
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: NJ Use: Used by New Jersey Natural Gas Only

Request: Required if HMAD changes
 Response: Not Used
 Example: REF*DQ*10.9

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification DQ Delivery Quote Number Highest Month Average Daily (HMAD) Customer/Meter average daily usage for month in which they had the highest use per day. This value is initially set and subject to monthly review to determine if changes are warranted based on customer usage	M ID 2/3
M/U	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 = GDC Rate Class)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

Notes: If an GDC Rate Class is changed and all meters on the account have the same GDC Rate Class, the NM1 segment will contain NM1*MQ*3*****32*ALL.

If an GDC 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 GDC Rate Class is changed, the associated REF*TD will be REF*TD*REFNH.

For New Jersey Natural Gas Only:

If this segment is sent by the ESP, it corresponds to a change in the Transportation Service Type valid for the end-use-customer. Only one Transportation Service Type may be in effect per account. Valid codes are:

SCR
 CTB
 RT - residential only

(Other transportation service options may be available but not through the EDI process see “Electronic Data Exchange and Protocol Process Flows for Gas Deregulation in The State of New Jersey:” or other documents for additional information.

NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

ESP to GDC Request: Only NJNG
 GDC to ESP Response: Not Used

Example: REF*NH*RS1 (GDC to ESP Request)
 REF*NH*CTB (ESP to GDC Request)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification NH GDC Rate Class Identifies a GDC rate class or tariff	M ID 2/3
M/U	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 = GDC Rate Subclass)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

Notes: If an GDC Rate Subclass is changed and all meters on the account have the same GDC Rate Subclass, the NM1 segment will contain NM1*MQ*3*****32*ALL.

If an GDC 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 GDC Rate Subclass is changed, the associated REF*TD will be REF*TD*REFPR.

NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

Example: REF*PR*123 (GDC to ESP Request)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification PR Price Quote Number GDC Rate Subclass – Used to provide further classification of a rate.	M ID 2/3
M/U	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 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

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.

NJ Use: Required by South Jersey Gas only if GDC Rate Ready billing option is selected for customer.
 Required by NJNG only if GDC Rate Ready billing option is selected for customer.
 Allows a supplier to choose between three calculation methods to derive a customer's total bill. The actual rate used in the calculation is provided at the meter level using segment REF*BN

Valid calculation values and description:

1 - % discount, A percentage discount off what the customer would have been billed at NJNG's Non-Transportation rates.

4 - per therm rate. A commodity rate applied to customers metered consumption

5 - rebundled flat rate or Burner tip price. A straight per therm rate relative to the customers metered consumption, which is inclusive of all fixed charges.

In the case of a multi-metered account a supplier must apply the same option value (1,4 or 5) to each meter, however they could have a different rate per meter (REF*BN). In other words, meter 1 could not be opt (5) and meter 2 option (4), however, meter 1 could be opt (5) rate 0.345 and meter 2 could be opt (5) and rate .456.

GDC to ESP Request: Not Used
 ESP to GDC Response: Not Used

ESP to GDC Request: Optional. Required by South Jersey Gas if Reason for Change is REFRB

GDC to ESP Accept Response: Not Used
 GDC to ESP Reject Response: Optional

Example: REF*RB*A29

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		RB Rate code number	
		ESP Rate Code for the customer	

M/U	REF02	127	Reference Identification	X AN 1/30
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Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **REF** Reference Identification (TZ = GDC Meter Read Cycle)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
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.
 NJ Use:
 GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Example: REF*TZ*15

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TZ Total Cycle Number GDC Meter Cycle. Cycle number when the meter will be read.	M ID 2/3
M/U	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 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: NJ Use: There will be only be one REF*MT segment for each NM1 loop.

GDC to ESP Request: Required for change of Meter Type, Meter Multiplier, # Dials and Type of usage sent on 867
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

 ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

 Example: REF*MT*HHMON

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MT Meter Ticket Number Meter Type	M ID 2/3
M/U	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. Type of Consumption Metering Interval HH Hundred Cubic Feet MON Monthly TZ Thousand Cubic Feet	X AN 1/30
			For Example: HHMON Hundred Cubic Feet Per Month TZMON Thousand Cubic Feet Per Month	

Segment: **REF** Reference Identification (4P = Meter Constant (Meter Multiplier))
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: NJ 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.

GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Example: REF*4P*10*HHMON
 REF*4P*100*TZMON

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
M/U	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
M/U	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Type (see REF*MT for valid codes).	X AN 1/80

Segment: **REF** Reference Identification (IX = Number of Dials)
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes:

NJ 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.

GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Reject Response: Optional

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Examples: REF*IX*6.0*HHMON
 REF*IX*5.1*TZMON
 REF*IX*4.2*TZMON

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M/U	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
M/U	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Type (see REF*MT for valid codes).	X AN 1/80

Segment: **REF** **Reference Identification (TU = Type of Metering Information)**
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Comments:
Notes: NJ 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.

GDC to ESP Request: Optional
 ESP to GDC Accept Response: Not Used
 ESP to GDC Rejection Response: Optional

ESP to GDC Request: Not Used
 GDC to ESP Response: Not Used

Example: REF***TU***41*HHMON
 REF***TU***42*TZMON
 REF***TU***51*TZMON

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification TU Type of Metering Information Used to indicate the type of metering information that will be sent on the 867 transaction.	M ID 2/3
M/U	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 Peak 51 Totalizer	X AN 1/30
M/U	REF03	352	Description A free-form description to clarify the related data elements and their content Meter Type (see REF* MT for valid codes).	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)
Comments: 1 SE is the last segment of each transaction set.
Notes: NJ Use: Required
 Example: SE*28*00000001

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	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

APPENDIX A:

Changes supported by GDC

This table indicates which GDC initiated changes are supported by each GDC:

Account Level

Field Change	PSEG	ETG	SJG	NJNG
DTM150 – Start Date	Y	N	Y	N
DTM151 – End Date	Y	N	Y	N
N18R – Customer name / service address	Y	Y	Y	N
N1BT – Billing address	Y	Y	Y	N
REF12 – GDC Account number	Y	Y	Y	N
REFBF – Bill Cycle	Y	Y	Y	Y
REFBLT – Bill Type (Bill Presenter)	Y	N/A	Y	N
REFPC – Party that Calculates Bill	N	N/A	Y	N

Meter Level

Field Change	PSEG	ETG	SJG	NJNG
NM1MA – Meter Addition	Y	Y	Y	N
NM1MQ – Meter Attributes	Y	Y	N	N
NM1MR – Meter Removal	Y	Y	Y	N
NM1MX – Meter Exchange	Y	Y	Y	N
REFDQ – HMAD Amount (NJNG Only)	N/A	N/A	N/A	Y
REFNH – GDC Rate Class/Tariff	Y	Y	N	N
REFPR – GDC Rate Subclass	Y	Y	N	N/A
REFSJ – MDQ Amount (NJNG Only)	N/A	N/A	N/A	Y
REFTZ – Meter Cycle		Y	Y	Y

This table indicates which ESP initiated changes are supported by each GDC:

Field Change	PSEG	ETG	SJG	NJNG
Account Level				
REF11 – ESP Account number	Y	N	N	Y
REFBLT – Bill Type (Bill Presenter)	Y	N	Y	Y
REFPC – Party that Calculates Bill	N	N	Y	Y
Meter Level				
REFBN – ESP Rate Amount	N/A	N/A	Y	Y
REFRB – ESP Rate Code	N/A	N/A	Y	N/A
REFRB – ESP Rate Calculation Method (NJNG Only)	N/A	N/A	N/A	Y

EXAMPLES

PSE&G 814C

GDC Initiated Change Request

Meter Exchange

Heading:

Segment Contents	Element Description
ST*814*818061602	Transaction Set Identifier Code: 814 , General Request, Response or Confirmation Transaction Set Control Number: 857251284 , Identifying Control Number
BGN*13*201210011046262121001008368912*20121001	Transaction Set Purpose Code: 13 , Request Reference Identification: 018504747552 Transaction Date: 20121010 , Transaction Created Date
N1*8S*PSE&G*9*006973812GASP**41	Entity Identifier Code: 8S , Consumer Service Provider Name: PSE&G , GDC Name Identification Code Qualifier: 9 , D-U-N-S+4, D-U-N-S Number with Four Character Suffix Identification Code: 006973812GASP , DUNS Number Entity Identifier Code: 41 , Sender
N1*SJ*ESP COMPANY NAME*9*123456789**40	Entity Identifier Code: SJ , Service Provider Name: ESP Company Name , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 012345678 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*8R*JANE DOE	Entity Identifier Code: 8R , End Use Customer Name: JANE DOE , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*2121001008368912*SH*GAS*SH*CE	Line Item Transaction Reference Number: 2121001008368912 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*12*PG000009411111111111	Reference Identification Qualifier: 12 , Billing Account Reference Identification: PG000009411111111111 , GDC Account Number
REF*45*6421111111	Reference Identification Qualifier: 45 , Old Billing Account Reference Identification: 6421111111 , Old GDC Account Number
DTM*007*20121001	Date/Time Qualifier, 007 , Effective Date Date: 20121001

Meter Level Information:

Segment Contents	Element Description
NM1*MX*3*****32*3333333	Entity Identifier Code: MX , Meter Exchange Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: 3333333
REF*46*1111111	Reference Identification Qualifier: 46 , Old Meter Number Reference Identification: 1111111
REF*NH*RSG (HTG)	Reference Identification Qualifier: NH , GDC Rate Class Reference Identification: RSG (HTG)
REF*TZ*06	Reference Identification Qualifier: TZ , GDC Meter Read Schedule Reference Identification: 06
REF*MT*HHMON	Reference Identification Qualifier: MT , Meter Type Code Reference Identification: HHMON , Hundred Cubic Feet Per Month
REF*4P*1*HHMON	Reference Identification Qualifier: 4P , Meter Multiplier Reference Identification: 1 Description: HHMON , Hundred Cubic Feet Per Month
REF*IX*4.0*HHMON	Reference Identification Qualifier: IX , Number of Dials Reference Identification: 4.0 Description: HHMON , Hundred Cubic Feet Per Month
REF*TU*51*HHMON	Reference Identification Qualifier: TU , Type of Metering Reference Identification: 51 , Totalizer Description: HHMON , Hundred Cubic Feet Per Month
REF*TD*NM1MX	Reference Identification Qualifier: TD , Reason for Change Reference Identification: NM1MX , Meter Exchange

Summary:

Segment Contents	Element Description
SE*20*818061602	Transaction Set Identifier Code: 20 , <i>No. Of Included Segments</i> Transaction Set Control Number: 818061602 , <i>Identifying Control Number</i>

SOUTH JERSEY GAS 814C**ESP Initiated Change Request****Rate Amount****Heading:**

Segment Contents	Element Description
ST*814*0011	Transaction Set Identifier Code: 814 , General Request, Response or Confirmation Transaction Set Control Number: 0011 , Identifying Control Number
BGN*13*29690659*20121027	Transaction Set Purpose Code: 13 , Request Reference Identification: 29690659 Transaction Date: 20121027 , Transaction Created Date
N1*8S*SOUTH JERSEY GAS*1*051409605**40	Entity Identifier Code: 8S , Consumer Service Provider Name: SOUTH JERSEY GAS , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 051409605 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*SJ*ESP COMPANY NAME*1*012345678**41	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 012345678 , DUNS Number Entity Identifier Code: 41 , Sender
N1*8R*JANE DOE	Entity Identifier Code: 8R , End Use Customer Name: JANE DOE , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*29690659*SH*GAS*SH*CE	Line Item Transaction Reference Number: 29690659 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*12*21036509012888899999	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 21036509012888899999 , GDC Account Number

Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*ALL	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: ALL
REF*TD*REFBN	Reference Identification Qualifier: TD , Reason for Change Reference Identification: REFBN , ESP Rate Amount

REF*BN*0.73436	Reference Identification Qualifier: BN , ESP Rate Amount ESP Rate Amount: .073436
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Summary:

Segment Contents	Element Description
SE*12*0011	Transaction Set Identifier Code: 12 , <i>No. Of Included Segments</i> Transaction Set Control Number: 0011 , <i>Identifying Control Number</i>

SOUTH JERSEY GAS 814C
GDC Response to ESP Request
Rate Amount
Heading:

Segment Contents	Element Description
ST*814*836105012	Transaction Set Identifier Code: 814 , General Request, Response or Confirmation Transaction Set Control Number: 836105012 , Identifying Control Number
BGN*11*201210291807242400000277*20121029	Transaction Set Purpose Code: 11 , Response Reference Identification: 201210291807242400000277 Transaction Date: 20121029 , Transaction Created Date
N1*8S*SOUTH JERSEY GAS COMPANY*1*051409605**41	Entity Identifier Code: 8S , Consumer Service Provider Name: SOUTH JERSEY GAS , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 051409605 , DUNS Number Entity Identifier Code: 41 , Sender
N1*SJ*ESP COMPANY NAME*1*012345678**40	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 012345678 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*8R*JANE DOE	Entity Identifier Code: 8R , End Use Customer Name: JANE DOE , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*29690659*SH*GAS*SH*CE	Line Item Transaction Reference Number: 29690659 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*WQ*001	Action Code, WQ , Accepted Response Maintenance Type Code, 001 , Change
REF*12*21036509012888899999	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 21036509012888899999 , GDC Account Number
REF*BF*01	Reference Identification Qualifier: BF , GDC Bill Cycle Bill Cycle: 01
DTM*007*20121029	Date/Time Qualifier: 007 , Effective Date Effective Date: 20121029

Meter Level Information:

Segment Contents	Element Description
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NM1*MQ*3*****32*ALL	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: ALL
REF*BN*.73436	Reference Identification Qualifier: BN , ESP Rate Amount ESP Rate Amount: .073436
REF*TD*REFBN	Reference Identification Qualifier: TD , Reason for Change Reference Identification: REFBN , ESP Rate Amount

Summary:

Segment Contents	Element Description
SE*14*836105012	Transaction Set Identifier Code: 14 , <i>No. Of Included Segments</i> Transaction Set Control Number: 836105012 , <i>Identifying Control Number</i>

NJNG 814C

ESP Initiated Change Request

Bill option to Dual

Heading:

Segment Contents	Element Description
BGN*13*20130228132745002*20130228	Transaction Set Purpose Code: 13 , Request Reference Identification: 20130228132745002 Transaction Date: 20130228 , Transaction Created Date
N1*8S*NEW JERSEY NATURAL GAS*1*061843553**40	Entity Identifier Code: 8S , Consumer Service Provider Name: NEW JERSEY NATURAL GAS , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*SJ*ESP COMPANY*9*883504581GAS**41	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 9 , DUNS+4 Number Dun & Bradstreet Identification Code: 883504581GAS , DUNS Number Entity Identifier Code: 41 , Sender
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*201303041327450021*SH*GAS*SH*CE	Line Item Transaction Reference Number: 201303041327450021 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*11*123456789	Reference Identification Qualifier: 11 , Billing Account Reference Identification: 123456789 , ESP Account Number
REF*12*220008098292	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220008098292 , GDC Account Number
REF*TD*REFBLT	Reference Identification Qualifier: TD , Reason For Change Reference Identification: REFBLT , Billing Presenter
REF*TD*REFPC	Reference Identification Qualifier: TD , Reason For Change Reference Identification: REFPC , Billing Calculator
REF*BLT*DUAL	Reference Identification Qualifier: BLT , Billing Type Reference Identification: DUAL

REF*PC*DUAL	Reference Identification Qualifier: PC , Party Calculating Charges Reference Identification: DUAL
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Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*ALL	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: ALL
REF*NH*CTB	Reference Identificaiton Qualifier: NH , GDC Rate Class LDC Rate Class: CTB
REF*PR*N	Reference Identificaiton Qualifier: PR , GDC Rate SubClass GDC Rate SubClass, N

NJNG 814C

ESP Initiated Change Request

Bill option to Rate Ready

Heading:

Segment Contents	Element Description
BGN*13*20130228132745002*20130228	Transaction Set Purpose Code: 13 , Request Reference Identification: 20130228132745002 Transaction Date: 20130228 , Transaction Created Date
N1*8S*NEW JERSEY NATURAL GAS*1*061843553**40	Entity Identifier Code: 8S , Consumer Service Provider Name: NEW JERSEY NATURAL GAS , GDC Name Identification Code Qualifier: 1, DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*SJ*ESP COMPANY*9*883504581GAS**41	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 9, DUNS+4 Number Dun & Bradstreet Identification Code: 883504581GAS , DUNS Number Entity Identifier Code: 41 , Sender
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name

Account Level Information:

Segment Contents	Element Description
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LIN*201303041327450021*SH*GAS*SH*CE	Line Item Transaction Reference Number: 201303041327450021 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*11*123456789	Reference Identification Qualifier: 11 , Billing Account Reference Identification: 123456789 , ESP Account Number
REF*12*220008098292	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220008098292 , GDC Account Number
REF*TD*REFBLT	Reference Identification Qualifier: TD , Reason For Change Reference Identification: REFBLT , Billing Presenter
REF*TD*REFPC	Reference Identification Qualifier: TD , Reason For Change Reference Identification: REFPC , Billing Calculator
REF*BLT*LDC	Reference Identification Qualifier: BLT , Billing Type Reference Identification: LDC
REF*PC*LDC	Reference Identification Qualifier: PC , Party Calculating Charges Reference Identification: LDC

Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*ALL	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: ALL
REF*TD*REFRB	
REF*BN*0.56657	Reference Identificaiton Qualifier: BN , ESP Rate Amount ESP Rate Rate Amount: 0.56657
REF*NH*CTB	Reference Identificaiton Qualifier: NH , GDC Rate Class LDC Rate Class: CTB
REF*PR*N	Reference Identificaiton Qualifier: PR , GDC Rate SubClass GDC Rate SubClass, N
REF*RB*4	Reference Identificaiton Qualifier: RB , Bill Calculation Option Bill Calculation Option: 4 , Per Therm Rate

NJNG 814C**ESP Initiated Change Request****Rate Amount**

Heading:

Segment Contents	Element Description
BGN*13*020613030478397*20130304	Transaction Set Purpose Code: 13 , Request Reference Identification: 020613030478397 Transaction Date: 20130304 , Transaction Created Date
N1*8S*NEW JERSEY NATURAL GAS*1*061843553**40	Entity Identifier Code: 8S , Consumer Service Provider Name: NEW JERSEY NATURAL GAS , GDC Name Identification Code Qualifier: 1, DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*SJ*ESP COMPANY*1*101386142**41	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 1, DUNS Number Dun & Bradstreet Identification Code: 101386142 , DUNS Number Entity Identifier Code: 41 , Sender
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*13030478397*SH*GAS*SH*CE	Line Item Transaction Reference Number: 13030478397 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services
ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*11*10704	Reference Identification Qualifier: 11 , Billing Account Reference Identification: 10704 , ESP Account Number
REF*12*220012769538	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 220012769538 , GDC Account Number
REF*BLT*LDC	Reference Identification Qualifier: BLT , Billing Type Reference Identification: LDC
REF*PC*LDC	Reference Identification Qualifier: PC , Party Calculating Charges Reference Identification: LDC

Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*ALL	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: ALL

REF*TD*REFBN	Reference Identificaiton Qualifier: TD , Reason for Change Reference Identification: ESP Rate Rate Amount
REF*BN*0.5047	Reference Identificaiton Qualifier: BN , ESP Rate Amount ESP Rate Rate Amount: 0.56657
REF*NH*CTB	Reference Identificaiton Qualifier: NH , GDC Rate Class LDC Rate Class: CTB
REF*PR*N	Reference Identificaiton Qualifier: PR , GDC Rate SubClass GDC Rate SubClass, N
REF*RB*4	Reference Identificaiton Qualifier: RB , Bill Calculation Option Bill Calculation Option: 4 , Per Therm Rate

NJNG 814C**ESP Initiated Change Request****Rate Amount - Multiple Meters****Heading:**

Segment Contents	Element Description
BGN*13*2008120400000307*20081204	Transaction Set Purpose Code: 13 , Request Reference Identification: 2008120400000307 Transaction Date: 20081204 , Transaction Created Date
N1*8S*New Jersey Natural Gas*1*061843553**40	Entity Identifier Code: 8S , Consumer Service Provider Name: NEW JERSEY NATURAL GAS , GDC Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 061843553 , DUNS Number Entity Identifier Code: 40 , Receiver
N1*SJ*ESP COMPANY*1*013876508**41	Entity Identifier Code: SJ , Service Provider Name: ESP COMPANY NAME , ESP Name Identification Code Qualifier: 1 , DUNS Number Dun & Bradstreet Identification Code: 013876508 , DUNS Number Entity Identifier Code: 41 , Sender
N1*8R*CUSTOMER NAME	Entity Identifier Code: 8R , End Use Customer Name: CUSTOMER NAME , Customer Name

Account Level Information:

Segment Contents	Element Description
LIN*4B5F32ED2008120478*SH*GAS*SH*CE	Line Item Transaction Reference Number: 4B5F32ED2008120478 Product/Service ID Qualifier: SH , Service Requested Product/Service ID: GAS Product/Service ID Qualifier: SH , Service Requested Product/Service ID: CE , Generation Services

ASI*7*001	Action Code, 7 , Request Maintenance Type Code, 001 , Change
REF*11*1216346	Reference Identification Qualifier: 11 , Billing Account Reference Identification: 1216346 , ESP Account Number
REF*12*163177657028	Reference Identification Qualifier: 12 , Billing Account Reference Identification: 163177657028 , GDC Account Number
REF*BLT*LDC	Reference Identification Qualifier: BLT , Billing Type Reference Identification: LDC
REF*PC*LDC	Reference Identification Qualifier: PC , Party Calculating Charges Reference Identification: LDC

Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*00811607	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: 00811607
REF*TD*REFBN	Reference Identificaiton Qualifier: TD , Reason for Change Reference Identification: ESP Rate Rate Amount
REF*BN*0.8762	Reference Identificaiton Qualifier: BN , ESP Rate Amount ESP Rate Rate Amount: 0.8762
REF*NH*CTB	Reference Identificaiton Qualifier: NH , GDC Rate Class LDC Rate Class: CTB
REF*PR*N	Reference Identificaiton Qualifier: PR , GDC Rate SubClass GDC Rate SubClass, N
REF*RB*4	Reference Identificaiton Qualifier: RB , Bill Calculation Option Bill Calculation Option: 4 , Per Therm Rate

Meter Level Information:

Segment Contents	Element Description
NM1*MQ*3*****32*00849557	Entity Identifier Code: MQ , Meter Location Entity Type Qualifier: 3 , Unknown Identification Code Qualifier: 32 , Meter Number Identification Code: 00849557
REF*TD*REFBN	Reference Identificaiton Qualifier: TD , Reason for Change Reference Identification: ESP Rate Rate Amount
REF*BN*1.0708	Reference Identificaiton Qualifier: BN , ESP Rate Amount ESP Rate Rate Amount: 1.0708

REF*NH*SCR	Reference Identificaiton Qualifier: NH , GDC Rate Class LDC Rate Class: SCR
REF*PR*N	Reference Identificaiton Qualifier: PR , GDC Rate SubClass GDC Rate SubClass, N
REF*RB*4	Reference Identificaiton Qualifier: RB , Bill Calculation Option Bill Calculation Option: 4 , Per Therm Rate