

**Massachusetts
Gas
Implementation
Guideline**

For
Electronic Data Interchange

TRANSACTION SET

814

**Enrollment
Request and Response
Ver/Rel 004010**

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>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BGN	Beginning Segment	M	1		
						1	
M	040	N1	LDC	M	1		n1
						1	
M	040	N1	Supplier	M	1		n2
						1	
	040	N1	Bill to Identifier	O	1		n3
	060	N3	Address Information	O	1		
	070	N4	Geographic Location	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						>1	
M	010	LIN	Item Identification	M	1		
M	020	ASI	Action or Status Indicator	M	1		
	030	REF	Reject Reasons	O	>1		
M	030	REF	Supplier Account Number for Customer	M	1		
M	030	REF	LDC Account Number for Customer	M	1		
	030	REF	Old LDC Account Number for Customer	O	1		
	030	REF	Public Aggregator	O	1		
	030	REF	LDC Billing Cycle	O	1		
	030	REF	Billing Option	O	1		
						>1	
M	080	NM1	Meter/Unmetered Information	M	1		n4
	130	REF	LDC Rate Code	O	1		
	130	REF	Supplier Rate Code 1	O	1		
	130	REF	Supplier Rate Code 2	O	1		
Dep	130	REF	Supplier Rate Amount	O	1		
	130	REF	Designated Receipt Point	O	1		
	130	REF	Service Indicator	O	1		
	130	REF	Sales Tax Indicator	O	1		
	130	REF	Total Capacity Quantity (in therms)	O	1		
	140	DTM	Effective Date of Service	O	>1		

Transaction Set Notes

1. The N1 loop is used to identify the transaction sender and receiver.
2. The N1 loop is used to identify the transaction sender and receiver.
3. The N1 loop is used to identify the transaction sender and receiver.
4. 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
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Notes:

Request: Required
 Response: Required
 ST*814*000000001

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			814 General Request, Response or Confirmation	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes: 1 If BGN05 is present, then BGN04 is required.
Semantic Notes: 1 BGN02 is the transaction set reference number.
 2 BGN03 is the transaction set date.
 3 BGN04 is the transaction set time.
 4 BGN05 is the transaction set time qualifier.
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Comments:

Notes:

Request: Required
 Response: Required
 For BGN 01 use the following:

 814E - 814CS - 814CL - 814DC - 814DS - 814H use 13 request

 814SE - 814ER - 814CC - 814DR use 11 response

 BGN*13*199904011956531*19990401
 BGN*11*199904011956531*19990402

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BGN01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			11 Response	
			Signifies that the requested service will be addressed as described in this transaction.	
			13 Request	
M	BGN02	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			On the request, this is a unique transaction identification number assigned by the originator of this transaction.	
			On the response, the tracking number from the request is echoed back in this BGN02.	
M	BGN03	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			The transaction creation date - the date that the data was processed by the sender's application system.	

Segment: N1 LDC
Position: 040
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Notes: Request: Required
 Response: Required
 N1*8S*LDC COMPANY*1*007909411**40 (as Receiver)
 N1*8S*LDC COMPANY*9*0079094110001**40 (as Receiver)
 N1*8S*LDC COMPANY*1*007909411**41 (as Sender)
 N1*8S*LDC COMPANY*9*0079094110001**41 (as Sender)

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		8S Consumer Service Provider (CSP)	
		LDC	
M	N102	93 Name	M AN 1/60
		Free-form name	
		LDC Company Name	
M	N103	66 Identification Code Qualifier	M ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
M	N104	67 Identification Code	M AN 9/13
		Code identifying a party or other code	
		This is the LDC's DUN & Bradstreet Number with or without the +4.	
M	N106	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	
		41 Submitter	

Segment: **N1 Supplier**
Position: 040
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes:

Request: Required
Response: Required
N1*SJ*ESP COMPANY*9*0079094220001**41 (as Sender)
N1*SJ*ESP COMPANY*1*007909422**41 (as Sender)
N1*SJ*ESP COMPANY*9*0079094220001**40 (as Receiver)
N1*SJ*ESP COMPANY*1*007909422**40 (as Receiver)

Data Element Summary

<u>Ref.</u>	<u>Des.</u>	<u>Data 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 Supplier	M ID 2/3
M	N102	93	Name Free-form name This is the Supplier's name.	M AN 1/60
M	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	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code This is the DUN & Bradstreet Number with or without the +4.	M AN 9/13
M	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 40 Receiver 41 Submitter	M ID 2/3

Segment: **N1 Bill to Identifier**
Position: 040
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Notes: Request: Optional
Response: Optional
N1*BT

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 associated with the service account.
M	N102	93 Name	M AN 1/60
		Free-form name	
			This segment is required for X12 compliance. It will be populated with "NV".

Segment: N3 Address Information
Position: 060
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

Request: Optional
 Response: Optional
 N3*123 N MAIN ST*MS FLR13

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
	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
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: Request: Optional
 Response: Optional
 N4*ANYTOWN*PA*18111
 N4*ANYTOWN*PA*181110001

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 5/9
	N404	26	Country Code Code identifying the country Only used if outside of the US.	O ID 2/3

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:

- 1 LIN01 is the line item identification

Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes:

Request: Required
Response: Required
LIN*CE199912310800000001*SH*GAS*SH*CE (Supplier Services)

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	LIN01	350	Assigned Identification	M AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
			On the request, this is a unique tracking number. Only one LIN loop per transaction.	
M	LIN02	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SH	Service Requested
M	LIN03	234	Product/Service ID	M AN 1/48
			Identifying number for a product or service	
			GAS	Gas Service
			Indicates a customer request to obtain gas service.	
M	LIN04	235	Product/Service ID Qualifier	M ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SH	Service Requested
M	LIN05	234	Product/Service ID	M AN 2/2
			Identifying number for a product or service	
			CE	Supplier Services
			Indicates a customer request to enroll in the service defined in LIN03 (Gas Delivery)	

Segment: **ASI** Action or Status Indicator
Position: 020
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the action to be taken with the information provided or the status of the entity described

Syntax Notes:
Semantic Notes:
Comments:
Notes:

Request: Required
 Response: Required
 ASI*7*021 - (814E)
 ASI*WQ*021 - (814SE - Successful)
 ASI*U*021 - (814ER - Reject)

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 Accept	M ID 1/2
M	ASI02	875	Maintenance Type Code Code identifying the specific type of item maintenance 021 Addition	M ID 3/3

Use when requesting or confirming a new service.

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

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

Semantic Notes:

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

Comments:
Notes:

Request: Not Used
Response: Required for reject response only
REF*7G*DIV (example only)

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	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier 008 Account exists but is not active A13 Other - see REF03 A76 Account not found A91 Service is not offered at customer's location Invalid Service Indicator ABN Duplicate request received ACI Action Code (ASI01) Invalid ANE Account Not Eligible ANL Service provider not licensed to provide requested service DIV Date Invalid FRB Incorrect Billing Option (REF*BLT) Requested MNM The meter number does not match any meter associated with the account NFI Not First In TEI Tax Exemption Percentage (AMT*DP or AMT*T) Invalid UND Cannot identify ESP UNE Cannot identify LDC W05 Requested Rate not found (Complete Billing)	M AN 3/3
	REF03	352	Description A free-form description to clarify the related data elements and their content Used to further describe the status reason code sent in REF02. DRP Invalid Designated Receipt Point PG Used to reject an invalid Public Aggregator.	O AN 1/80

Segment: **REF** Supplier Account Number for Customer
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

Request: Optional
 Response: Required if Supplied on Request
 REF*11*2348400586

Data Element Summary

Ref.	Data Element	Name	Attributes
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		11 Account Number	
		Supplier assigned account number for end use customer	
M	REF02	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		Account Number	

Segment: **REF** LDC Account Number for Customer
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Required
Response: Required
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 LDC Company assigned account number for end use customer	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Account Number	M AN 1/30

Segment: **REF** Old LDC Account Number for Customer
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: This segment is used at the discretion of each LDC. Please check with your LDC to see if they are using this segment or not.
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 LDC Company previous account number for the end use customer.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LDC's previous account number for the customer.	M AN 1/30

Segment: **REF** Public Aggregator
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Optional
Response: Optional
REF*PG*1234

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 PG Product Group Aggregator Code	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Public Aggregator Number	M AN 1/4

Segment: **REF** LDC Billing Cycle
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Not Used
Response: Required
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 Billing cycle. Cycle number when the billing will be rendered.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LDC Billing Cycle Number	M AN 1/2

Segment: **REF** Billing Option
Position: 030
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

Request: Required
 Response: Required
 REF*BLT*LDC

Data Element Summary

Ref.	Data Element	Name	Attributes
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		BLT Billing Type	
		Identifies whether the bill is consolidated by the Distribution Company or whether each party will render their own bill. See REF02 for valid values.	
M	REF02	127 Reference Identification	M AN 3/4
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		DUAL Each party bills the customer for its portion - also known as Passthrough	
		LDC The Distribution Company bills the customer for both Distribution and Supplier Service Charges - also known as Complete Billing.	

Segment: **NM1** Meter/Unmetered Information
Position: 080
Loop: NM1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
 2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: Request: Required
 Response: Required
 NM1*MQ*3*****93*1234567

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual MQ Metering Location Meter Level Information Change - use when changing existing Meter level Information or Attribute(s) for an existing Meter. Also used when enrolling a customer for the first time.	M ID 2/3
M	NM102	1065	Entity Type Qualifier Code qualifying the type of entity 3 Unknown	M ID 1/1
M	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 93 Code assigned by the organization originating the transaction set This code used when a Meter Number is NOT provided in NM109 (i.e., when NM109 contains "UNMETERED").	M ID 1/2
M	NM109	67	Identification Code Code identifying a party or other code Meter Number UNMETERED - for Unmetered Services	M AN 2/80

Segment: **REF** LDC Rate Code
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Not Used
Response: Required
REF*NH*RS1

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 Rate Card Number Identifies a Distribution rate class or tariff	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LDC Rate Code	M AN 1/30

Segment: **REF** Supplier Rate Code 1
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: This is only used when complete billing is chosen.
REF*RB*A29

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 RB Rate code number Supplier Rate Code for the customer	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Supplier Rate Code	M AN 1/30

Segment: **REF** Supplier Rate Code 2
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: This is only used when complete billing is chosen and can not be used in combination with REF*PR. Only one of REF*PL or REF*PR is valid.

REF*PL*A20

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 PL Price List Number Used to indicate a second price code for a Supplier account.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Secondary Rate Code for Supplier	M AN 1/30

Segment: **REF** **Supplier Rate Amount**
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

This is only used when complete billing is chosen and can not be used in combination with REF*PR. Only one of REF*PL or REF*PR is valid.
This segment is only used when Supplier Rate Code 1 is used.
Nstar is not supporting the REF*PR.
REF*PR*.0350

Data Element Summary

<u>Ref.</u>	<u>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 Identifies a unit pricing category under a rate code	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Supplier Rate Amount Example: .0350 for 3.5 cents	M AN 1/30

Segment: **REF** Designated Receipt Point
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Not Used
Response: Required
REF*SPL*1234567

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 SPL Standard Point Location Code (SPLC) City gate number	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier city gate number	M AN 1/30

Segment: **REF** Service Indicator
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes:

Request: Required
 Response: Required
 REF*17*D
 REF*17*N

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			17 Client Reporting Category	
			Used as an identifier for the type of Distribution Service to be provided to the Customer in conjunction with Supplier Services.	
M	REF02	127	Reference Identification	M AN 1/5
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			D	Daily Metered Distribution Service
			N	Non Daily Metered Distribution Service

Segment: **REF** Sales Tax Indicator
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: This is only used on complete billing for sales tax on the supplier side.
REF*TX*1

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 TX Tax Exempt Number Indicates if the service is taxable or exempt.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier 0 Tax exempt 1 100% taxable	M AN 1/5

Segment: **REF** Total Capacity Quantity (in therms)
Position: 130
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

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

Semantic Notes:

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

Comments:
Notes: Request: Not Used
Response: Required
REF*MT*T*14

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. Used to identify the type of consumption measured by this meter and the interval between measurements.	M ID 2/3
M	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier T Indicates the measurement is in therms	M AN 1/5
M	REF03	352	Description A free-form description to clarify the related data elements and their content Total therms (Gas). This field will be populated with "E" if the customer is exempt from the TCQ.	M AN 1/80

Segment: **DTM** Effective Date of Service
Position: 140
Loop: NM1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

Request: Not Used
Response: Required
DTM*150*19990101

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier		M ID 3/3
				Code specifying type of date or time, or both date and time	
			150	Service Period Start	
				Date that the service with the Supplier will start.	
M	DTM02	373	Date		M DT 8/8
				Date expressed as CCYYMMDD	

Segment: **SE** Transaction Set Trailer
Position: 150
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

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

Notes:

Request: Required
 Response: Required
 SE*28*00000001

Data Element Summary

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