

**Massachusetts  
Gas  
Implementation  
Guideline**

For  
**Electronic Data Interchange**

TRANSACTION SET

**814**

**Historical Usage  
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                        |

## 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            | LDC Account Number for Customer | M                | 1              |                    |                           |
|   |                 |                |                                 |                  |                | >1                 |                           |
| M | 080             | NM1            | Meter/Unmetered Information     | M                | 1              |                    | n3                        |
| 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 N1 loop is used to identify the transaction sender and receiver.
3. 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         | <b>Transaction Set Identifier Code</b>  | M ID 3/3          |
|             |                |             | Code uniquely identifying a Transaction Set   |                   |
|             |                |             | 814 General Request, Response or Confirmation   |                   |
| M           | ST02           | 329         | <b>Transaction Set Control Number</b>   | 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. Des.</u> | <u>Data Element</u> | <u>Name</u>  | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | BGN01            | 353                 | <b>Transaction Set Purpose Code</b><br>Code identifying purpose of transaction set   | M ID 2/2          |
|   |                  |                     | 11 Response<br>Signifies that the requested service will be addressed as described in this transaction.  |                   |
|   |                  |                     | 13 Request   |                   |
| M | BGN02            | 127                 | <b>Reference Identification</b><br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30         |
|   |                  |                     | 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                 | <b>Date</b><br>Date expressed as CCYYMMDD  | M DT 8/8          |
|   |                  |                     | 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 Des. | Data Element | Name  | Attributes |
|------|-----------|--------------|---|------------|
| M    | N101      | 98           | Entity Identifier Code<br>Code identifying an organizational entity, a physical location, property or an individual<br>8S Consumer Service Provider (CSP)<br>LDC  | M ID 2/3   |
| M    | N102      | 93           | Name<br>Free-form name<br>LDC Company Name  | M AN 1/60  |
| M    | N103      | 66           | Identification Code Qualifier<br>Code designating the system/method of code structure used for Identification Code (67)<br>1 D-U-N-S Number, Dun & Bradstreet<br>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix | M ID 1/2   |
| M    | N104      | 67           | Identification Code<br>Code identifying a party or other code<br>This is the LDC's DUN & Bradstreet Number with or without the +4.  | M AN 9/13  |
| M    | N106      | 98           | Entity Identifier Code<br>Code identifying an organizational entity, a physical location, property or an individual<br>40 Receiver<br>41 Submitter  | M ID 2/3   |

**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

| Ref.        | Data           |             |   | Attributes |
|-------------|----------------|-------------|---|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> |   |            |
| M           | N101           | 98          | <b>Entity Identifier Code</b>   | M ID 2/3   |
|             |                |             | Code identifying an organizational entity, a physical location, property or an individual |            |
|             |                |             | SJ Service Provider   |            |
|             |                |             | Supplier  |            |
| M           | N102           | 93          | <b>Name</b>   | M AN 1/60  |
|             |                |             | Free-form name  |            |
|             |                |             | This is the Supplier's name.  |            |
| M           | N103           | 66          | <b>Identification Code Qualifier</b>  | 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          | <b>Identification Code</b>  | M AN 9/13  |
|             |                |             | Code identifying a party or other code  |            |
|             |                |             | This is the DUN & Bradstreet Number with or without the +4.                               |            |
| M           | N106           | 98          | <b>Entity Identifier Code</b>   | M ID 2/3   |
|             |                |             | Code identifying an organizational entity, a physical location, property or an individual |            |
|             |                |             | 40 Receiver   |            |
|             |                |             | 41 Submitter  |            |

**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:**

**Comments:**

- 1 LIN01 is the line item identification
- 2 See the Data Dictionary for a complete list of IDs.
- 3 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\*HU199912310800000002\*SH\*GAS\*SH\*HU (Historical Usage)

#### Data Element Summary

| Ref.        | Data           |             |  |                   |
|-------------|----------------|-------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> |  | <u>Attributes</u> |
| M           | LIN01          | 350         | <b>Assigned Identification</b>   | 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         | <b>Product/Service ID Qualifier</b>  | 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         | <b>Product/Service ID</b>  | 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         | <b>Product/Service ID Qualifier</b>  | 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         | <b>Product/Service ID</b>  | M AN 2/2          |
|             |                |             | Identifying number for a product or service  |                   |
|             |                |             | HU Historical Usage  |                   |
|             |                |             | Indicates an ESP request to obtain historical usage information for this customer. This information would be returned on an EDI 867. |                   |

**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\*U\*029 - (814ER - Reject)  
 ASI\*7\*029 - (814H)

**Data Element Summary**

|   | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u>  | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | ASI01            | 306                 | Action Code  | M ID 1/2          |
|   |                  |                     | Code indicating type of action                         |                   |
|   |                  |                     | 7 Request  |                   |
|   |                  |                     | U Reject   |                   |
| M | ASI02            | 875                 | Maintenance Type Code                                  | M ID 3/3          |
|   |                  |                     | Code identifying the specific type of item maintenance |                   |
|   |                  |                     | 029 Inquiry  |                   |
|   |                  |                     | Use when requesting the following service:             |                   |
|   |                  |                     | HU - Historical Usage                                  |                   |



**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 Error Response  
 REF\*7G\*DIV (example only)

**Data Element Summary**

| Ref. | Data<br>Element | Name  | Attributes |
|------|-----------------|---|------------|
| M    | REF01<br>128    | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification<br>7G                      Data Quality Reject Reason   | M ID 2/3   |
| M    | REF02<br>127    | <b>Reference Identification</b><br>Reference information as defined for a particular Transaction Set or as<br>specified by the Reference Identification Qualifier<br>008                      Account exists but is not active<br>A76                      Account not found<br>ABN                      Duplicate request received<br>ACI                      Action Code (ASI01) Invalid<br>HUU                      Historical usage unavailable<br>MNM                      The meter number does not match any meter associated<br>with the account<br>UND                      Cannot identify ESP<br>UNE                      Cannot identify LDC | M AN 3/3   |

**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<br>Code qualifying the Reference Identification<br>12 Billing Account<br>LDC Company assigned account number for end use customer      | M ID 2/3          |
| M | REF02            | 127                 | Reference Identification<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>Account Number | M AN 1/30         |

**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                  | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, property or an individual<br>MQ Metering Location<br>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                | <b>Entity Type Qualifier</b><br>Code qualifying the type of entity<br>3 Unknown  | M ID 1/1          |
| M | NM108            | 66                  | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67)<br>32 Assigned by Property Operator<br>Meter Number<br>93 Code assigned by the organization originating the transaction set<br>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                  | <b>Identification Code</b><br>Code identifying a party or other code<br>Meter Number<br>UNMETERED - for Unmetered Services   | M AN 2/80         |

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

**Syntax Notes:**

**Semantic Notes:**

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

**Notes:**

Request: Required  
 Response: Required  
 SE\*28\*00000001

**Data Element Summary**

|   | <u>Ref.</u> | <u>Data</u> | <u>Name</u>   | <u>Attributes</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 |                   |