



Electronic Data Interchange Implementation Guide

TRANSACTION SET

824

Version 4010
Outbound Application Advice

Last Revised – July 5, 2007

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Summary of Changes

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Initial release

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824 Application Advice

Introduction

The function of the Utility Industry Group is

To represent Electric, Gas, and Combination Utilities, their suppliers, their customers, and other interested parties as an Industry Action Group to the American National Standards Institute (ANSI) Accredited Standards Committee (ASC) X12, specifically in the standards-setting process, for their Electronic Data Interchange business needs.

To encourage, promote, and establish conventions for the use of ASC X12 standards as the “recommended” method of EDI. To develop and coordinate, as required, implementation guidelines and tools to promote the growth and timely implementation of Electronic Commerce/EDI within the industry.

To provide a forum for the exchange of ideas related to Electronic Commerce/EDI and its influence on the business needs of the industry.

The UIG will represent the Edison Electric Institute (EEI) and its members to facilitate implementation of Electronic Commerce/EDI in the Utility Industry.

Purpose

This Utility Industry Group (UIG) Implementation Guideline contains the format and establishes the data contents of the Application Advice Transaction Set (TS 824) as adopted by the UIG for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to respond to transactions which do not have built-in response mechanisms (such as TS 814), or those without specified response transactions (such as a purchase order acknowledgement sent in response to a purchase order). The Application Advice should not be used in place of a transaction set designed as a specific response to the same or another transaction set (e.g., a TS 814 Enrollment Confirmation transaction or TS 814 Error transaction are designed as responses to an TS 814 Request for Enrollment in the deregulated, alternative energy supply environment).

Notes

The UIG recommends the use of the Deregulation Application Advice (TS 824) transaction set to acknowledge the acceptance or rejection of 248, 568, 650, 810, 820 and 867 transactions. TS 824 would not be used for responses to TS 814, since TS 814 is designed to also be used as a response to requests received via TS 814.

Typical uses in this environment would be use of TS 824 Application Advice to acknowledge acceptance of a TS 810 Invoice or to send an application error response to a usage transaction received via TS 867.

While it is possible to send acceptance/rejection messages as plain text, this guideline has been designed to be used with messages that are coded to be machine-processable in subsequent applications.

824 Application Advice

Best Practices

Global Best Practices

Use of Text Segments

The UIG recommends that the note (NTE) segment be avoided because this segment is not machine-readable. Other text segments, such as MSG and PID, may be used if their use will lead to machine processable information in subsequent applications.

Use of ZZ Qualifier

The use of data fields to transmit uncoded or textual information should be avoided. This practice is usually associated with the use of the ZZ qualifier as a normal course of doing business.

997 – Functional Acknowledgment

The purpose of the 997 is to verify receipt of a transmitted document only, not the acceptance of the document. For example, the acceptance of a purchase order (850) is accomplished through the use of the purchase order acknowledgment transaction (855).

Interchange Control Number

A unique and sequential interchange control number should be used on every envelope that is transmitted to a trading partner. This approach will allow the receiver to audit the interchange for any duplicate or missing transmissions.

Use of Dun & Bradstreet (D-U-N-S) Number

Dun & Bradstreet assigns a nine-digit identification number to every business entity. This number, known as the D-U-N-S number, should be used to identify the trading partners. A trading partner may append a four-digit suffix to the D-U-N-S number to uniquely identify a specific location within the entity; this number is referred to as a D-U-N-S + 4 number

Banking Transactions

Guidelines that outline the use of transactions relating to interactions between a sender and the sender's financial institution are available from the Bankers EDI Council and the NACHA EDI Council. Other publications that address the use of financial payment transactions include Technical Report 1 (TR1) and Technical Report 2 (TR2); both of these publications are available from DISA.

Capitalization

The use of all upper case (capital) letters is preferred over the use of mixed upper and lower case letters.

Time Value

PG&E transmits all information using the international standard, Universal

Coordinate Time (UTC). UTC, for the purposes of this document, is simply the Pacific Standard Time (PST) without daylight savings time correction. UTC is an internationally recognized time representation and is actually used in nearly all of our modern computer systems, including desktop PCs.

Meter readings, administrative operations, and billing transactions are all reported in UTC. Some account billing is based upon time-of-day which is normally defined in terms of local time. For those accounts, conversion from UTC to local time must be performed.

Differences from UTC to PST is 8 hours, i.e. (480 minutes). PG&E's service territory local time is based on Pacific Standard Time (PST). The California PG&E's have decided not to indicate a specific code in the 814 Transaction set.

Ask Ron

Use of DTM02/03

Use of DTM02/03 rather than DTM05/06 allows the translator to validate on the date and time. This facilitates immediate rejection with the 997.

While there is at present no preferred coding practice, UIG encourages the use of the DTM02/03 in new implementations, where possible.

Document-Specific Best Practices

The UIG recommends that one TS 824 Application Advice be limited to one service account for a single commodity (electric or gas). This single service account may have more than one service or meter associated with it, in which case a separate OTI loop should be used for each service or meter. An exception would be if the 824 is used to reject an entire 820 or 568, in which case individual service accounts are not provided.

824 Application Advice

Functional Group ID=AG

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the ability to report the results of an application system's data content edits of transaction sets. The results of editing transaction sets can be reported at the functional group and transaction set level, in either coded or free-form format. It is designed to accommodate the business need of reporting the acceptance, rejection or acceptance with change of any transaction set. The Application Advice should not be used in place of a transaction set designed as a specific response to another transaction set (e.g., purchase order acknowledgment sent in response to a purchase order).

Interchange Control Header:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|----------|----------|---------|----------------------------|-----------|---------|-------------|--------------------|
| 12 | 010 | ISA | Interchange Control Header | M | 1 | | |
| 14 | 020 | GS | Functional Group Header | M | 1 | | |

Header:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|--------------|----------|---------|--------------------------|-----------|---------|-------------|--------------------|
| 16 | 010 | ST | Transaction Set Header | M | 1 | | |
| 17 | 020 | BGN | Beginning Segment | M | 1 | | |
| LOOP ID - N1 | | | | | | >1 | |
| 19 | 030 | N1 | Name | O | 1 | | |
| 20 | 070 | REF | Reference Identification | O | 12 | | |

Detail:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---------------|----------|---------|-------------------------------------|-----------|---------|-------------|--------------------|
| LOOP ID - OTI | | | | | | >1 | |
| 21 | 010 | OTI | Original Transaction Identification | M | 1 | | n1 |
| LOOP ID - TED | | | | | | >1 | |
| 23 | 070 | TED | Technical Error Description | O | 1 | | |
| 25 | 080 | NTE | Note/Special Instruction | O | 100 | | |
| 26 | 090 | SE | Transaction Set Trailer | M | 1 | | |

Interchange Control Trailer:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|----------|----------|---------|-----------------------------|-----------|---------|-------------|--------------------|
| 27 | 030 | GE | Functional Group Trailer | M | 1 | | |
| 28 | 040 | IEA | Interchange Control Trailer | M | 1 | | |

Transaction Set Notes

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. The REF segment allows for the provision of secondary reference identification or numbers required to uniquely identify the original transaction set. The primary reference identification or number should be provided in elements OTI02-03.
3. The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.

Segment: **ISA** Interchange Control Header
Position: 010
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:
Notes:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | ISA01 | I01 | Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02) | M ID 2/2 |
| M | ISA02 | I02 | Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) | M AN 10/10 |
| M | ISA03 | I03 | Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04) | M ID 2/2 |
| M | ISA04 | I04 | Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) | M AN 10/10 |
| M | ISA05 | I05 | Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 01 Duns (Dun & Bradstreet) | M ID 2/2 |
| M | ISA06 | I06 | Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element | M AN 15/15 |
| M | ISA07 | I05 | Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined | M ID 2/2 |
| M | ISA08 | I07 | Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them | M AN 15/15 |
| M | ISA09 | I08 | Interchange Date Date of the interchange | M DT 6/6 |
| M | ISA10 | I09 | Interchange Time Time of the interchange | M TM 4/4 |

| | | | | |
|----------|--------------|------------|---|-----------------|
| M | ISA11 | I10 | Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| M | ISA12 | I11 | Interchange Control Version Number This version number covers the interchange control segments 00303 Draft Standard for Trial Use Approved for Publication by ASC X12 Procedures Review Board Through October 1992 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997 | M ID 5/5 |
| M | ISA13 | I12 | Interchange Control Number A control number assigned by the interchange sender | M N0 9/9 |
| M | ISA14 | I13 | Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1) 0 No Acknowledgment Requested | M ID 1/1 |
| M | ISA15 | I14 | Usage Indicator Code to indicate whether data enclosed by this interchange envelope is test, production or information Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| M | ISA16 | I15 | Component Element Separator Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator | M AN 1/1 |

Segment: **GS** Functional Group Header
Position: 020
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:

- 1 GS04 is the group date.
- 2 GS05 is the group time.
- 3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

- 1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | GS01 | 479 | Functional Identifier Code Code identifying a group of application related transaction sets AG Application Advice (824) | M ID 2/2 |
| M | GS02 | 142 | Application Sender's Code Code identifying party sending transmission; codes agreed to by trading partners | M AN 2/15 |
| M | GS03 | 124 | Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners | M AN 2/15 |
| M | GS04 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |
| M | GS05 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | M TM 4/8 |
| M | GS06 | 28 | Group Control Number Assigned number originated and maintained by the sender | M N0 1/9 |
| M | GS07 | 455 | Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12 | M ID 1/2 |
| M | GS08 | 480 | Version / Release / Industry Identifier Code Code indicating the version, release, sub release, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in | M AN 1/12 |

DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and sub release, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

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:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set 824 Application Advice | 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
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:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | BGN01 | 353 | Transaction Set Purpose Code Code identifying purpose of transaction set 11 Response | 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 is the original invoice number found in BIG02 on the inbound EDI 810 for which this record is a response. | M AN 1/30 |
| M | BGN03 | 373 | Date Date expressed as CCYYMMDD The transaction creation date. This is the date that the data was processed by the sender's application system. | M DT 8/8 |
| X | BGN04 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) The transaction creation time. This is the time that the transaction was created. Recommended for PG&E. | X TM 4/8 |

- Segment:** **N1** Name
Position: 030
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.

Data Element Summary

| Ref. | Data Element | Name | Attributes |
|------|--------------|---|------------------|
| M | N101 | 98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8R End Use Customer Customer 8S Utility (PG&E) PG&E SJ Service Provider ESP | M ID 2/3 |
| | N102 | 93 Name Free-form name | X AN 1/60 |
| | 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 Valid when N101 = 48, 55, 8S, H8, SJ 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix Valid when N101 = 48, 55, 8S, H8, SJ | X ID 1/2 |
| | N104 | 67 Identification Code Code identifying a party or other code This is the location code as defined by N103. The location code will be a formal number, i.e. DUNS. | X AN 2/80 |

Segment: **REF** Reference Identification
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
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:

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 | |
| | | | 11 Account Number | |
| | | | | ESP-assigned account number for the end use customer. |
| | | | 12 Billing Account | |
| | | | | PG&E-assigned account number for the end use customer. PG&E's DAXREF. |
| | REF02 | 127 | Reference Identification | X AN 1/30 |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | |

- Segment:** **OTI** Original Transaction Identification
- Position:** 010
- Loop:** OTI Mandatory
- Level:** Detail
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result
- Syntax Notes:** 1 If OTI09 is present, then OTI08 is required.
- Semantic Notes:**
- 1 OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.
 - 2 OTI06 is the group date.
 - 3 OTI07 is the group time.
 - 4 If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.
 - 5 OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.
 - 6 OTI13 is the type of the original transaction set, and is used to assist in its unique identification.
 - 7 OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.
 - 8 OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.
 - 9 OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.
 - 10 OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.
- Comments:**
- 1 OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.
 - 2 If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.
 - 3 If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | OTI01 | 110 | Application Acknowledgment Code Code indicating the application system edit results of the business data TR Transaction Set Reject TA Transaction set accept | M ID 1/2 |
| M | OTI02 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification TN Transaction Reference Number The business identification number for the transaction will be in OTI03. | M ID 2/3 |
| M | OTI03 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier The transaction reference number from the original transaction, populated from the following data elements: 248 - BHT03 | M AN 1/30 |

568 - BGN02
 650 - BGN02
 810 - BIG02
 820 - TRN02
 867 - BPT02

| | | | | | |
|----------|--------------|------------|--|----------|---------------|
| M | OT106 | 373 | Date Information YYYYMMDD | M | D 8/8 |
| M | OT107 | 337 | Time Information HHMMSS | M | TM 4/8 |
| | OT110 | 143 | Transaction Set Identifier Code | O | ID 3/3 |

Code uniquely identifying a Transaction Set

The EDI Transaction Set number of the transaction being responded to.

Segment: **TED** Technical Error Description
Position: 070
Loop: TED Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the error and, if feasible, the erroneous segment, or data element, or both
Syntax Notes:
Semantic Notes:
Comments: 1 If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.).

Data Element Summary

| Ref. | Data Element | Name | Attributes |
|------|--------------|--|------------|
| M | TED01 | 647 Application Error Condition Code Code indicating application error condition 848 Incorrect Data | M ID 1/3 |
| | TED02 | 3 Free Form Message Free-form text The following codes have been identified by the UIG to convey rejection reasons. Other codes may be used by agreement of the trading partners when necessary. 008 Account exists but is not active A13 Other (See explanation in NTE*ADD) ABO Corrected transaction received prior to cancellation or rejection transaction API Required Information Missing | O AN 1/60 |
| | TED07 | 724 Copy of Bad Data Element This is a copy of the data element in error | O AN 1/99 |
| | TED08 | 961 Batch up Id From the Tracking table | O AN 1/99 |

Segment: **NTE** Note/Special Instruction
Position: 080
Loop: TED Optional
Level: Detail
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:
Semantic Notes:

- Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|--|-------------------|
| NTE01 | 363 | Note Reference Code | O ID 3/3 |
| | | Code identifying the functional area or purpose for which the note applies | |
| | | ADD Additional Information | |
| | | Reason Text | |
| M | NTE02 | Description | M AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| | | Rejection Reason Text | |

Segment: **SE** Transaction Set Trailer
Position: 090
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.

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 |

Segment: **GE** Functional Group Trailer
Position: 030
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information
Syntax Notes:
Semantic Notes: 1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.
Comments: 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.
Notes: Ex: GE|1|123^a

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|--|----------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> | |
| M | GE01 | 97 | Number of Transaction Sets Included | M N0 1/6 |
| | | | Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | |
| M | GE02 | 28 | Group Control Number | M N0 1/9 |
| | | | Assigned number originated and maintained by the sender | |

Segment: **IEA** Interchange Control Trailer
Position: 040
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

Comments:

Notes: Ex: IEA|1|00000123^a

Data Element Summary

| | Ref. | Data | | |
|---|--------------------|-----------------------|---|--------------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | IEA01 | I16 | Number of Included Functional Groups | M N0 1/5 |
| | | | A count of the number of functional groups included in an interchange | |
| M | IEA02 | I12 | Interchange Control Number | M N0 9/9 |
| | | | A control number assigned by the interchange sender | |

EDI 824 Application Advice Example (Reject for Multiple Reasons)

ST°824°000000002^
 BGN°11°REJ810199907010719999°19990701°2130°PT°°°82^
 N1°8S°UNIVERSAL ENERGY°1°007909411^
 N1°SJ°ESP COMPANY°9°007909422ESP1^
 N1°8R°JANE CUSTOMER^
 REF°11°2348400586^
 REF°12°293839200^
 OTI°TR°TN°1999063000001°°°°°°°°810^
 REF°6O°CR19990630XXX001^
 TED°848°A76^
 NTE°ADD°A76^
 NTE°ADD°BILL CALCULATOR MISMATCH^
 SE°14°000000002^

EDI 824 Application Advice Example (Reject for Multiple Reasons)

| | |
|---|---|
| ST°824°000000002^ | Start of the EDI 824 Application Advice and transaction Set Control Number |
| BGN°11°REJ810199907010719999°19990701°2130°PT°°°82^ (BCID + ESP Dun's # + Date Time & ST) | Beginning Segment indicates response, unique identifier, date, time in (PT), Follow Up (Reject) |
| N1°8S°UNIVERSAL ENERGY°1°007909411^ | Identifies the Utility, PG&E |
| N1°SJ°ESP COMPANY°9°007909422ESP1^ | Identifies the ESP |
| N1°8R°JANE CUSTOMER^ | Identifies the end use customer |
| REF°11°2348400586^ | Identifies the ESP's Account Number |
| REF°12°293839200^ | Identifies PG&E's SA ID |
| OTI°TR°TN°1999063000001°°°°°°°°810^ (BIG 02) | Identifies the original Inbound 810 Transaction Identifier, Transaction Set is rejected |
| TED°848°A76^ | Identifies the reason for reject. The code A76 represents PG&E account not found or invalid |
| NTE°ADD°PG&E ACCOUNT NOT FOUND^ | Text description for reject |
| TED°848°DIV^ | Identifies the reason for reject. The code DIV represents invalid or missing data |
| NTE°ADD°INVALID / MISSING DATA^ | Text description for reject |
| SE°14°000000002^ | End of the EDI 824 Application Advice and Transaction Set Control Number |

EDI 824 Application Advice Example (Reject)

ST°824°000000001^
 BGN°11°REJ867199907010719001°19990701°2130°PT°00°82^
 N1°8S°UNIVERSAL ENERGY°1°007909411^
 N1°SJ°ESP COMPANY°9°007909422ESP1^
 N1°8R°JANE CUSTOMER^
 REF°11°2348400586^
 REF°12°293839200^
 OTI°TR°TN°1999063000001°0000000°810^
 TED°848°A76^
 NTE°ADD°PG&E ACCOUNT NOT FOUND^
 SE°11°000000001^

EDI 824 Application Advice Example (Reject)

| | |
|--|---|
| ST°824°000000001^ | Start of the EDI 824 Application Advice and transaction Set Control Number |
| BGN°11°REJ867199907010719001°19990701°2130°PT°00°82^ | Beginning Segment indicates response, unique identifier, date, time in (PT), Follow Up (Reject) |
| N1°8S°UNIVERSAL ENERGY°1°007909411^ | Identifies the Utility, PG&E |
| N1°SJ°ESP COMPANY°9°007909422ESP1^ | Identifies the ESP |
| N1°8R°JANE CUSTOMER^ | Identifies the end use customer |
| REF°11°2348400586^ | Identifies the ESP's Account Number |
| REF°12°293839200^ | Identifies PG&E's SA Id and or Customer Account Number |
| OTI°TR°TN°1999063000001°0000000°810^ | Identifies the original Inbound 810 Transaction Identifier, Transaction Set is rejected |
| TED°848°A76^ | Identifies the reason for reject. The code A76 represents PG&E account not found or invalid |
| NTE°ADD°PG&E ACCOUNT NOT FOUND^ | Text description for reject |
| SE°11°000000001^ | End of the EDI 824 Application Advice and Transaction Set Control Number |