

Appendix C - Implementation Guide

Ver/Rel 004010

Overview/Purpose

This purpose of this document is to provide the structure and information necessary to develop EDI transactions required to implement Customer Choice for Electricity Supply for the Maine marketplace. This Implementation Guide was created following UIG 4010 standards as well as regional and national implementation guidelines. Information specific to each transaction is documented within each the Transaction Set section.

List of Current Maine Transactions

810	Invoice	ANSI ver4010	page C.2.1	Version 3.0
814	General Request, Response or Confirmation	ANSI ver4010	page C.3.1	Version 3.0
820	Remittance Advice	ANSI ver4010	page C.4.1	Version 3.0
824	Application Advice	ANSI ver4010	page C.5.1	Version 3.0
867	Historical Usage Request	ANSI ver4010	page C.6.1	Version 3.0
997	Functional Acknowledgment	ANSI ver4010	page C.7.1	Version 3.0

The format layout within each Transaction set is as follows:

- Introduction
- Business Function
- Transaction Notes
- Transaction Best Practices
- Transaction Data Flows
- Transaction Layout
- Administrative List of Fields
- Segment Detail (one segment per page)

Important Assumptions and Business Rule Implications

The Value Added Network (VAN) Provider will deliver transactions in order in which it was received, providing the order for “first in” on enrollments.

Must Use segments are based on Maine requirements. Hard coded qualifiers are included in appendix C, but are not generally listed in appendix A. A transaction set will not be rejected because of optional fields that are not part of the Maine Implementation Standards as long as it is ANSI compliant.

Global Best Practices for all transactions

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 non-coded 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.

Capitalization

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

Owner Information

All Maine EDI transaction sets are ‘owned’ by a member of the Maine EBT Working Group’s EDI Subgroup. The ‘owner’ of the implementation guide is responsible for all document maintenance, including updates, revisions, etc.

The current owners of the Appendix C Implementation Guide are:

	Transaction Set	Owner	Email
810	Invoice	Roberta Bailey, CMP	Roberta.Bailey@cmpco.com
814	General Request, Response or Confirmation	Chris Libby, MPS	Clibby@mainepublicservice.com
820	Payment Order/Remittance Advice	Lori Omlor, BHE	lomlor@bhe.com
824	Application Advice	Lori Omlor, BHE	lomlor@bhe.com
867	Product Transfer & Resale Report	Roberta Bailey, CMP	Roberta.Bailey@cmpco.com
997	Functional Acknowledgement	Lori Omlor, BHE	lomlor@bhe.com

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.

Notes:	Recommended by UIG
Maine Implementation:	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. Required – when the rejection reason is due to an LDC account number not being provided in the original transaction, this segment must not be sent on the 824.

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.

Data Element Summary

<u>Attributes</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
		12	Billing Account	
			LDC assigned account number for end use customer.	
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

810 Invoice

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Functional Group ID=**IN**

Introduction:

This transaction will allow Distribution companies to send usage and billing information for electricity to the suppliers who have enrolled customers. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services. The transaction will be sent on an account by account basis, allowing only one account per transaction (one ST to SE). A separate 810 is required for each cancel and/or rebill. The only exception to this is the 810-3, for Standard Offer Provider (SOP), where one transaction will be sent to the SOP per Standard Offer rate class per billing cycle.

Business Functions & Examples:

Customer Usage Information for Separate (Dual) billing (810-1)
Customer Usage Information for T&D Consolidated billing (810-2)
Customer Usage & Billing Information for Standard Offer billing (810-3)

Examples of the 810 Transactions are included at the end of this transaction set.

Transaction Notes:

1. One 810 will be created for each account for a given billing cycle and will be sent to the supplier by the distribution company. A standard offer rate class will be treated as one account.
2. The IT1 loop structure is used to provide information by account, meter, unmetered and rate; usage and/or billing information for a single account with one measurement is transmitted at the account and meter IT1 segments.
3. The tax information is provided at the account IT1 loop level via the TXI segment. The IT1 loop can be repeated relative to rate elements if tax needs to be calculated according to rate.
4. For the 810-1, the Billing Option REF02 value will be DUAL. For the 810-2 and 810-3, the Billing Option in REF02, the value will be LDC.

	Billing Option in REF02	Item Data in IT109
810-1	DUAL	ACCT,MET,UNMET
810-2	LDC	ACCT,MET,UNMET
810-3	LDC	RATE

Transaction Best Practices

Use of The IT1 Segment

An IT1 loop is used to accumulate all consumption and charge detail for a single meter or service. Each meter or service will be detailed in a separate IT1 loop.

Use of the MEA Segment

The MEA segment is used to convey consumption for one metering period. MEA segments can be repeated for multiple registers and reading within one IT1 loop.

UIG Definitions for MEA07 Measurement Significance Codes

The metering characteristics of the utility industry require measurement definitions in addition to those found in Data Element 935, *Measurement Significance Code*. The UIG has submitted data maintenance (DM) requests to have these additional definitions added to DE 935 in a future version of the X12 standards. In order to provide these measurement definitions for version 4010 implementations, the UIG has provided UIG-specific definitions for valid DE 935 codes. To assist application developers, who may wish to include the requested future codes in their application logic, the list of non-standard definitions found in MEA07 includes references to the requested codes.

Use of the Detail IT1/REF Segment, Position 120

This segment is used only when the IT1 loop is used to present account information. Trading partners using the meter model (where an IT1 conveys meter charges and usage) should provide the account reference information in the Header REF, position 050.

Use of the SLN Segment

Each SLN loop will contain only one SAC and TXI. (There will be one SAC in each SLN segment.) The IT1/SLN segment is used to overcome the limitation on the number of IT1/SAC loops. In some environments, more than 25 separate charges or allowances are associated with one IT1. Use of the SLN segment provides for a maximum of 1,000 individual SAC and TXI iterations.

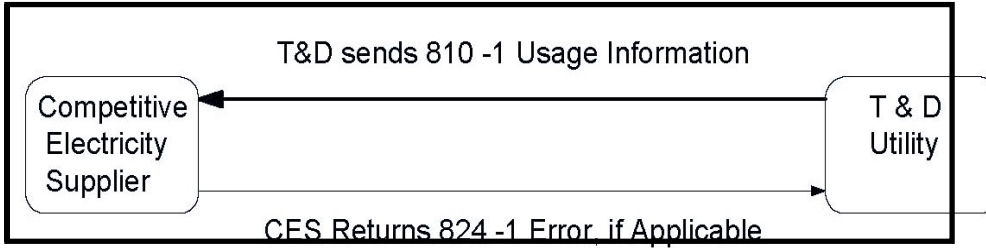
Values in Elements SAC01 and SAC05

Previous editions of some guidelines stated that the amount shown in SAC05 will always be positive and that the code used in SAC01 will indicate whether to add or subtract the SAC05 amount to or from the TDS. As a result of a clarification provided by X12, it has been determined that the above statement is incorrect; future versions of the UIG guidelines will no longer contain the above statement. The code used in SAC01 does not indicate the sign of the amount in SAC05. The amount shown in SAC05 may be either positive or negative; if negative, the minus sign, "-", must be transmitted.

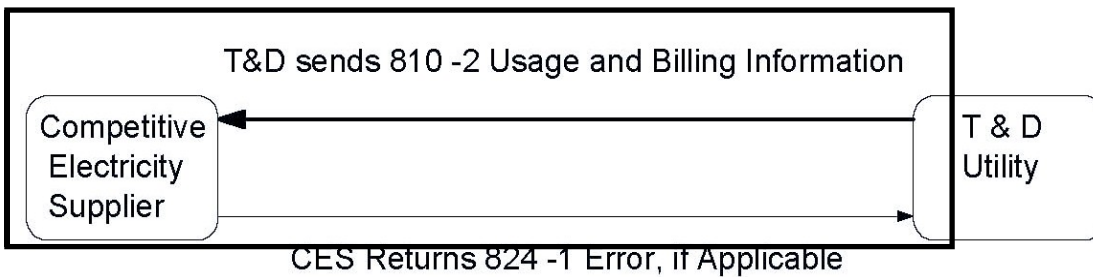
New implementations should follow the guidance contained herein.

Transaction Data Flows

810-1 Usage Information



810-2 Usage and Billing Information



Transaction Layout:

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
Must Use	010	ST	Transaction Set Header	M	1	
Must Use	020	BIG	Beginning Segment for Invoice	M	1	
Must Use	050	REF	Billing Option	O	1	
Must Use	050	REF	Billing Cycle	O	1	
	050	REF	Original Unique Tracking No	O	1	
			LOOP ID - N1			1
Must Use	070	N1	Distribution Company	O	1	
			LOOP ID - N1			1
Must Use	070	N1	Supplier Company	O	1	
	140	DTM	Billing Date	O	1	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
			LOOP ID - IT1			>1
Must Use	010	IT1	Baseline Item Data (Invoice)	O	1	
	040	TXI	Tax Information	O	1	
	059	MEA	Measurements	O	40	

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	120	REF	Non-metered units	O	1
Must Use	120	REF	Supplier Account Number	O	1
Must Use	120	REF	Distribution Co. Account number	O	1
	120	REF	Type of Service Indicator	O	1
	120	REF	Distribution Company Rate Code	O	1
	120	REF	Supplier Rate Code	O	1
	120	REF	Service Identifier	O	1
Must Use	150	DTM	Date	O	2
LOOP ID – SLN					>1
	200	SLN	Subline Item Detail	O	1
	230	SAC	Service, Promotion, Allowance, or Charge Information	O	1

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
	010	TDS	Total Monetary Value Summary	M	1	
Must Use	080	SE	Transaction Set Trailer	M	1	

810 USAGE AND BILLING ADMINISTRATIVE LIST OF FIELDS

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/PO</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
File Creation Date	M/U	8	DATE	BIG/020			BIG01
Invoice/Unique Tracking Number	M/U	22	A/N	BIG/020			BIG02
Activity Code	OP	2	A/N	BIG020			BIG07/08
Billing option for the account Separate (DUAL) or Consolidated (LDC)	M/U	4	A/N	REF/050		BLT	REF02
Billing Cycle	M/U	3	A/N	REF/050		BF	REF02
Original Unique Tracking Number	OP	22	AN	REF/050		01	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
Billing Date	OP	8	DATE	DTM/140		434	DTM02
DETAIL DESCRIPTION							
<i>Account, Meter, Unmetered and Rate Loops</i>							
Service Identifier (Baseline Item) TOU or Non TOU	M/U	20	A/N	IT1/010	IT1	C3 MB	IT109 IT111
Current Sales Tax Dollar Amount	OP	11	N2	TXI/040	IT1		TX102
Type of Reading	OP	2	A/N	MEA/059	IT1		MEA01
Measurements and Attributes (Usage or Demand Measurements)	OP	20	A/N	MEA/059	IT1		MEA07
Number of Non Metered Units	OP	8	N0	REF/120	IT1	QQ	REF03
Distribution Co account number	M/U	20	A/N	REF/120	IT1	12	REF02
Supplier account number	M/U	20	A/N	REF/120	IT1	11	REF02
Type of Service Indicator	OP	3	A/N	REF/120	IT1	PRT	REF02
Distribution Co Rate Code	OP	5	A/N	REF/120	IT1	NH	REF02
Supplier Rate Code	OP	5	A/N	REF/120	IT1	RB	REF02
Service Identifier	OP	20	A/N	REF/120	IT1	MG/SC	REF02
EBT				<u>EDI IMPLEMENTATION GUIDELINES</u>			

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<u>DETAIL DESCRIPTION</u>	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unmetered Rate Plan Description	OP	50	A/N	REF/120	IT1	SC/U	REF03
Read Date: Service Period End	M/U	8	DATE	DTM/150	IT1	187	DTM02
Read Date: Service Period Start	OP	8	DATE	DTM/150	IT1	186	DTM02
<i>The Following are for Consolidated Billing</i>							
Current Amount	OP	11	N2	SAC/230	SLN		SAC04
<i>The Following are for Standard Offer Billing</i>							
Standard Offer Collection Charge Dollar Amount (retainage, signed negative amount)	OP	11	N2	SAC/230	SLN	A	COL001
Standard Offer Rate Class	OP	5	A/N	IT1/010 REF/120	IT1 IT1	RATE RB	IT109 REF01
Number of Accounts in Rate Class	OP	7	A/N	REF/120	IT1		REF03
<u>SUMMARY DESCRIPTION</u>							
Total Amt Due Supplier (Includes Past Due, except on a cancel or re-bill)	OP	11	N2	TDS/010			TDS01

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

810-1 USAGE AND BILLING LIST OF FIELDS For Separate (DUAL) Billing
From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
File Creation Date	M/U	8	DATE	BIG/020			BIG01
Invoice/Unique Tracking Number	M/U	22	A/N	BIG/020			BIG02
Activity Code	M/U	2	A/N	BIG/020			BIG07/08
Billing option for the account Separate (DUAL)	M/U	4	A/N	REF/050		BLT	REF02
Billing Cycle	M/U	3	A/N	REF/050		BF	REF02
Original Unique Tracking Number	OP	22	A/N	REF/050		01	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
Billing Date	OP	8	DATE	DTM/140		434	DTM02
<u>DETAIL DESCRIPTION</u>							
<i>Account, Meter, Unmetered and Rate Loops</i>							
Service Identifier (Baseline Item) TOU or Non TOU	M/U	20	A/N	IT1/010	IT1	C3 MB	IT109 IT111
Type of Reading	M/U	2	A/N	MEA/059	IT1		MEA01
Measurements & Attributes	M/U	20	N0	MEA/059	IT1	MEA04	MEA07
Number of Non Metered Units	OP	7	A/N	REF/120	IT1	QQ	REF03
Distribution Company Account number	M/U	20	A/N	REF/120	IT1	12	REF02
Supplier Company Account Number	M/U	20	A/N	REF/120	IT1	11	REF02
Type of Service Identifier	M/U	3	A/N	REF/120	IT1	PRT	REF02
Distribution Co Rate Code	OP	5	A/N	REF/120	IT1	NH	REF02
Unmetered Rate Plan Description	OP	50	A/N	REF/120	IT1	SC/U	REF03
Service Identifier	M/U	20	A/N	REF/120	IT1	MG/SC	REF02
Read Date: Service Period End	M/U	8	DATE	DTM/150	IT1	187	DTM02
Read Date Service Period Start	OP	8	DATE	DTM/150	IT1	186	DTM02

LEGEND M/U = Must Use OP = Optional DATE = CCYYMMDD A/N = Alphanumeric

810-2 USAGE AND BILLING LIST OF FIELDS For Consolidated (LDC) Billing

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From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
File Creation Date	M/U	8	DATE	BIG/020			BIG01
Unique Tracking Number	M/U	22	A/N	BIG/020			BIG02
Activity Code	M/U	2	A/N	BIG/020			BIG07/08
Billing option: Consolidated (LDC)	M/U	4	A/N	REF/050		BLT	REF02
Billing Cycle	M/U	3	A/N	REF/050		BF	REF02
Original Unique Tracking Number	OP	22	A/N	REF/050		01	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
Billing Date	M/U	8	DATE	DTM/140		434	DTM02
<u>DETAIL DESCRIPTION</u>							
<i>Account, Meter, Unmetered and Rate Loops</i>							
Service Identifier (Baseline Item) TOU or Non TOU	M/U	20	A/N	IT1/010	IT1	C3 EQ	IT109 IT113
Current Sales Tax Dollar Amount	OP	11	A/N	TXI/040	IT1		TX102
Type of Reading	OP	2	A/N	MEA/059	IT1		MEA01
Measurements & Attributes		20	N0	MEA/059	IT1		MEA07
Demand value used by Distribution Company for Billing	OP	20	N3	MEA/059	IT1	MEA04 K1	MEA07
Number of Non Metered Units	OP	7	A/N	REF/120	IT1	QQ	REF03
Distribution Company Account Number	M/U	20	A/N	REF/120	IT1	12	REF02
Supplier Company Account Number	M/U	20	A/N	REF/120	IT1	11	REF02
Type of Service Identifier	M/U	3	A/N	REF/120	IT1	PRT	REF02
Distribution Co Rate Code	OP	5	A/N	REF/120	IT1	NH	REF02
Supplier Rate Code	M/U	5	A/N	REF/120	IT1	RB	REF02
Service Identifier	M/U	20	A/N	REF/120	IT1	MG/SC	REF02
Unmetered Rate Plan Description	OP	50	A/N	REF/120	IT1	SC/U	REF03
EB T							
<u>EDI IMPLEMENTATION GUIDELINES</u>							
<u>810-2 CONTINUED</u>							
<u>DETAIL DESCRIPTION</u>	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>

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Read Date	Service Period Start	OP	8	DATE	DTM/150	IT1	186	DTM02
<i>The Following are for Consolidated Billing</i>								
Current Billed Amount		OP	11	N2	SAC/230	SLN	SAC05	See Codes
<u>SUMMARY DESCRIPTION</u>								
Total Amt Due Supplier (Includes Past Due, except on a cancel or re-bill)		M/U	11	N2	TDS/010			TDS01
<u>LEGEND:</u> M/U = Must Use OP = Optional DATE = CCYYMMDD A/N = Alphanumeric								

810-3 USAGE AND BILLING LIST OF FIELDS For Standard Offer Billing

From Distribution Company to Standard Offer Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
File Creation Date	M/U	8	DATE	BIG/020			BIG01
Invoice/Unique Tracking Number	M/U	22	A/N	BIG/020			BIG02
Billing option for the account Consolidated (LDC)	M/U	4	A/N	REF/050		BLT	REF02
Billing Cycle	M/U	3	A/N	REF/050		BF	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
Billing Date	M/U	8	DATE	DTM/140		434	DTM02
<u>DETAIL DESCRIPTION</u>							
<i>For Standard Offer use the Rate Loop</i>							
Type of Reading	OP	2	A/N	MEA/059	IT1		MEA01
Measurements & Attributes	M/U	20	N0	MEA/059	IT1	MEA04	MEA07
Number of Non Metered Units	OP	7	A/N	REF/120	IT1	QQ	REF03
Distribution Company Account Number	M/U	20	A/N	REF/120	IT1	12	REF02
Supplier Company Account Number	M/U	20	A/N	REF/120	IT1	11	REF02
Standard Offer Rate Class	M/U	5	A/N	REF/120	IT1	RB RATE	REF02 IT109
Read Date: Service Period End	M/U	8	DATE	DTM150	IT1	187	DTM02
Number of Accounts in Rate Class	M/U	7	A/N	REF/120	IT1		REF03
<i>The Following are for Standard Offer Billing</i>							
Current Billed Amount	M/U	11	N2	SAC/230	SLN	A	See Codes
Standard Offer Collection Charge Dollar Amount (retainage, signed negative amount)	OP	11	N2	SAC/230	SLN	SAC05	COL001
<u>SUMMARY DESCRIPTION</u>							
Total Amount Due Standard Offer	M/U	11	N2	TDS/010			TDS01

Maine EBT Technical Specifications

Supplier

|

LEGEND

M/U = Must Use

OP = Optional DATE = CCYYMMDD

A/N = Alphanumeric

Segment: **ST Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments: The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Sets).

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			810 Invoice		
M/U	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		
			Unique number generated by sender's translator		

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Comments: The BIG07 and/or the BIG08, one or the other or both, will provide the needed activity codes for ME, see Appendix B for definition of Activity Codes.

Data Element Summary

	Ref. Des.	Data Attributes	Data Element	Name		
M/U	BIG01		373	Date Date (CCYYMMDD) File creation date	M	DT 8/8
M/U	BIG02		76	Invoice Number Identifying number assigned by issuer The distribution company will send a unique tracking number. An example of this could be an invoice number.	M	AN 1/22
	BIG07		640	Transaction Type Code Activity Code specifying the type of transaction CI Consolidated Invoice (Normal On Cycle Bill) AI Adjusted Invoice 13 Maintenance Request 07 Budget Bill BD Statement of Balance Due (No Current Charges, Balance Only) DU Duplicate RE Re-Bill (Adjusted Bill) FB Final Bill RP Reporting – For 810-3 Standard Offer Only SL Summary Bill	O	ID 2/2
	BIG08		353	Transaction Set Purpose Code Activity Code specifying the type of the transaction 00 Original 01 Cancellation CO Corrected	O	ID 2/2

Segment: **REF** **Billing Option**
Position: 050
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			BLT Billing Type		
			Identifies whether the T&D consolidates the bill or whether each party will render their own bill.		
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		
			LDC The distribution company bills the customer for both the distribution company and supplier charges. (Consolidated and Standard Offer)		
			DUAL The distribution company and the supplier bill the customers their own charges with separate bills. (Separate)		

Segment: **REF** Billing Cycle
Position: 050
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			BF Billing Cycle Number		
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		
			Billing Cycle Number when the bill was rendered.		

Segment: **REF** **Original Unique Tracking Number**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify identifying information

Utility
Specific **CMP does not plan to use this segment**
comments: **BHE does not plan to use this segment**

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			OI Original Unique Tracking Number		
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		
			Original Unique Tracking Number from original 810		

Segment: **N1** **Distribution Company Name**
Position: 070
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments:
Utility Specific
Comments: **BHE will not pass Name om N102**

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			8S Distribution Company		
	N102	93	Name	X	AN 1/60
			Free-form name		
			Distribution Company Name		
M/U	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1 DUNS Number (Dun & Bradstreet)		
M/U	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			Distribution Company DUNS Number		

Segment: **N1** **Supplier Company Name**
Position: 070
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments:
Utility Specific
comments: **BHE will not pass CES Name in N102**

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			SJ Service Provider (CES or SOP)		
	N102	93	Name	X	AN 1/60
			Free-form name		
			Energy Supplier Name		
M/U	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			9 DUNS Number plus four digit qualifier		
M/U	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			Supplier DUNS number plus four digit qualifier		

Segment: **DTM Billing Date**
Position: 140
Loop:
Level: Heading
Usage: Optional (See comments)
Max Use: 1
Purpose: To specify pertinent dates and times
Comments: 1. Must Use for consolidated billing only

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			434 Statement (date on which the billing document was created)		
M/U	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
			Use of DTM02 allow translator to validate the date		

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Comments:

1. The transaction will contain an IT1 loop for each service billed on the account.
2. If and only if IT109 contains 'METER,' IT109 must be qualified by IT110 and IT111.
3. IT112 and IT113 are used to indicate that consumption will be provided, but the actual meter readings will not be provided.

Data Element Summary

	Ref. Des.	Data Element	Name		
M/U	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Line item Counter The first IT1 will be 1, the second IT1 will be 2, etc...	X	AN 1/20
M/U	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID SV Service Rendered	X	ID 2/2
M/U	IT107	234	Product/Service ID Identifying number for a product or service 'ELECTRIC'	X	AN 1/48
M/U	IT108	235	Product/Service ID Qualifier Identifying number for a product or service C3 Classification	X	ID 2/2
M/U	IT109	234	Product/Service ID Identifying number for a product or service ACCOUNT METER RATE (Used only for Standard Offer) UNMET (Unmetered service)	X	AN 1/48
	IT110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (IT109) MB Measurement Type Code	X	ID 2/2

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	IT111	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			NT - Non TOU Meter		
			TOU - Time of Use Meter		
M/U	IT112	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (IT109)		
			EQ Equipment Type		
M/U	IT113	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			NR No reads will be presented		

Segment: **TXI** Tax Information
Position: 040
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Comments: 1 Taxes included in this position relate to the IT109 loop identification level charges.
 Segment only used on 810-2.

Data Element Summary

	Ref. Des.	Data Element	Name		
M/U	TXI01	963	Tax Type Code	M	ID 2/2
			Code specifying the type of tax		
			SU Sales and Use Tax (Maine State Sales Tax)		
M/ U	TXI02	782	Monetary Amount	X	R 1/18
			Monetary Amount		
			Current Sales Tax Amount		
	TXI07	662	Relationship Code	O	ID 1/1
			Code indicating the relationship between entities		
			A Add		
			The amount in the TXI02 should be added when summing the invoice total.		

Segment: **MEA** Measurements
Position: 059
Loop: IT1
Level: Detail:
Usage: Optional
Max Use: 40
Purpose: To specify usage or demand measurements and type of reading.
Comments: This segment is Must Use when IT109 is METER, UNMET, or RATE. When IT109 is ACCOUNT, this segment is not used. MEA 07 is required for 810-1 and 810-2. MEA03 may contain a negative value represented by a minus sign (-) on the 810-3.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	MEA01	737	Measurement Reference ID Code	M	ID 2/2
			Code identifying the broad category to which a measurement applies (Type of Reading)		
			BO Calculated (Billed)		
			EN Estimated/Prorated		
			AN Actual (Measured)		
M/U	MEA03	739	Measurement Value	X	R 1/20
			The value of the measurement		
			Actual usage or demand value		
M/U	MEA04	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure		
	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			K1 Kilowatt Demand	K2	Kvar Demand
			KH KWH	K5	KvarH
	MEA07	935	Measurement Significance Code	O	ID 2/2
			Code used to benchmark, qualify or further define a measurement value		
			34 Ratchet	57	Summer
			41 Off-peak	58	Winter
			42 On-peak	66	Shoulder
			45 Summer On Peak	73	Summer Off Peak
			49 Winter On Peak	74	Summer Shoulder
			50 Winter Shoulder	75	Winter Off Peak
			51 Total		

Segment: **REF** **Non-Metered Units**
Position: 120
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			QQ Unit Number		
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		
			N (Non-metered service)		
			L (Lighting service)		
M/U	REF03	352	Reference Identification	X	AN 1/80
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Number of non-metered units		
			Number of Lights		

Segment: **REF** **Supplier Account Number**
Position: 120
Loop: IT1
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments: This REF is used in the ACCOUNT IT1 loop only.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			Energy Service Provider assigned account number for the end use customer		
M/U	REF02	127	Reference Identification		AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Supplier Customer Account Number		
			For the 810-3 the words "Standard Offer"		

Segment: **REF** **Distribution Company Account**
Position: 120
Loop: IT1
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments: This REF is used in the ACCOUNT IT1 loop only.
Utility
Specific comments: **BHE will not be sending this segment**

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
			Utility assigned account number for the end use customer		
M/U	REF02	127	Reference Identification		AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Distribution Company Customer Account Number		
			For 810-3, will be "Standard Offer"		

Segment: **REF** **Type of Service Indicator**
Position: 120
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Must Use on 810-1 and 810-2.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			PRT Product Type		
	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		
			Type of Service Indicator		
			C = Combined Service kWH (only)		
			D = Metered Service kWH & kW (demand)		
			E = Metered Service kWH (only)		
			I = Metered Service kWH, kW (demand), & kVAR		
			J = Combined Service kWH and kW (demand)		
			L = Lighting Service		
			N = Non-Metered Service		
			T = Metered Service TOU		
			V = Metered Service kVAR (only)		

Segment: **REF** **Distribution Company Rate Code**
Position: 120
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: 1.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			NH Rate Code Number		
			Identifies a T&D rate code		
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		
			Distribution Rate Code (NV if Not Available)		

Segment: **REF** **Supplier Rate Code**
Position: 120
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: 2. Must Use for consolidated billing.
 3. REF03 only used for 810-3

Data Element Summary

	Ref. Des.	Data Element	Name		
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			RB Rate Code Number		
			Identifies an Energy Service Provider rate class		
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		
			Supplier Rate Code or SOP Rate Class		
	REF03	352	Description	X	AN 1/80
			Free-form		
			Number of Standard Offer accounts associated with Rate Class		

Segment: **REF** **Service Identifier**
Position: 120
Loop: IT1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: **Must Use in 810-1 and 810-2**

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Meter Number MG Service Indicator SC	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 If REF01 contains MG, REF02 must contain the meter number, if available. If REF01 contains SC, REF02 contains a 'U' and REF03 contains a description of the unmetered rate plan.	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content. Unmetered rate plan description.	X	AN 1/80

Segment: **DTM** **Service Period Read Dates**
Position: 150
Loop: IT1
Level: Detail:
Usage: Must Use
Max Use: 2
Purpose: To specify pertinent dates and times
Comments: Normal rule will be 2 DTMs for consumption from beginning read or prior read date (service period start) and end or current read (service period end).
 For the 810-3, Standard Offer, will only send one date, Service Period End, same as the bill date.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			186	Service Period Start	
			187	Service Period End	
			May only send Service Period End for Usage		
M/U	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
			Use of DTM02 allows translator to validate the date		

Segment: **SLN** Subline Item Detail
Position: 200
Loop: SLN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Comments: Each SLN loop will contain only one SAC. Multiple charges and/or allowances require multiple SLN loops.

Only used for 810-2 and 810-3

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	SLN01	350	Assigned identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set.		
			Used as a loop counter		
			The first SLN will be 1, the second SLN will be 2, etc...		
M/U	SLN03	662	Relationship Code	M	ID 1/1
			Code indicating the relationship between entities		
			A Add		

Segment: **SAC** **Current Billed Amount**
Position: 230
Loop: SLN
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.
Comments: Each SLN loop will contain only one SAC. Multiple charges and/or allowances require multiple SLN loops.
This segment is used only on the 810-2 and 810-3.
The amount shown in SAC05 may be positive or negative. If negative, the minus sign (-) must be sent.

Data Element Summary

	Ref. Des.	Data	Name
	Attributes	Element	
M/U	SAC01	248	Allowance or Charge Indicator M ID 1/1 Code which indicates an allowance or charge for the service specified A Allowance (Account specific charge due T&D) C Charge N No allowance or charge (The amount in SAC05 should be ignored when calculating the total.)
M/U	SAC03	559	Agency Qualifier Code X ID 2/2 Code identifying the agency assigning the code values EU Electric Utilities * When approved by UIG, 'EU' will change to 'UT.'
M/U	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code X AN 1/10 Agency maintained code identifying the service, promotion, allowance, or charge LPC001 Late Payment Charges DMD001 Total kW Demand Charge DMD006 Off Peak kW Demand Charge DMD007 On Peak kW Demand Charge DMD029 Shoulder kW Demand Charge DMD004 Total kVAR (reactive) Demand Charges BAS001 Basic Customer Charge COL001 Collection Charge, for 810-3 Retainage only, always a negative amount. SER001 Service Charges ENC001 Energy Charges kWh(Total) ENC037 Peak kWh Charges

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SAC05	610	Amount	ENC003 Off-peak kWh Charges	0	N2 1/15
			ENC038 Shoulder kWh Charges		
			PRB001 Past Due Balance (all charges outstanding prior to current bill)		
			Monetary amount		
Current Amount					

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Comments: Must Use for 810-2 and 810-3. TDS01 may contain a negative value represented by a minus sign (-) on the 810-3.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	TDS01	610	Amount	M	N2 1/15
			Monetary amount		
			Total billed dollar amount for suppliers		
			Includes current charges and past due charges, with the exception of a cancel or rebill, where no prior balance information will be sent.		

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Must Use
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.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Element			
M/U	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/U	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		

Examples of 810 Transactions

**810-1's and 810-2's
T&D → CEP**

- Examples:**
- 1) Summary Bill. LDC Billing Option for Cycle 1 to include monthly usage and dollars with tax dollars for non-tou meter.
 - 2) Normal On Cycle Bill with Late Pay and Past Due Dollars.
LDC Billing Option for Cycle 1 to include monthly usage and dollars including tax dollars for non-tou meter
 - 3) Normal On Cycle Bill for DUAL Billing Option for Cycle 1 to Include monthly usage only - no dollars, non-tou meter
 - 4) Off cycle Bill. LDC Billing Option for Cycle 4 to include Monthly usage and dollars with tax. One tou meter and one unmetered unit.
 - 5) Balance Due Bill. No no current monthly usage or charges for LDC Billing Option.
 - 6) Cancelled Bill. DUAL Billing Option. (see #7 for Rebill)
 - 7) Rebill. Dual Billing Option (see #6 for Cancel)

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000401^2306^U^00400^000001035^0^P^|GS^IN^SENDER GROUP ID^REC GROUP
 ID^20000401^2306^27^X^004010

1)

ST^810^0001BIG^20000401^0406225918601130000001^SL
 REF^BLT^LDC
 REF^BF^01
 N1^SJ^^9^CEP DUNS+4
 N1^8S^^1^T&D DUNS
 DTM^434^20000401
 IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^EQ^NR
 REF^11^100110
 REF^12^04411111110011
 DTM^186^20000301
 DTM^187^20000401
 IT1^2^^^^SV^ELECTRIC^C3^METER^MB^NT^EQ^NR
 TXI^SU^71.24^^^^A
 MEA^AN^^30480^KH^^51
 MEA^AN^^0^K1^^51
 REF^RB^RATE1
 REF^PRT^D
 REF^MG^GE70115555
 DTM^186^20000301
 DTM^187^20000401
 SLN^1^^A
 SAC^C^^EU^ENC001^129540

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TDS^136664
SE^25^0001

2)

ST^810^0002
BIG^20000406^0406225918601130000003^^^^^CT
REF^BLT^LDC
REF^BF^01
N1^SJ^^9^CEP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
REF^11^100111
REF^12^04411263648888
DTM^186^20000301
DTM^187^20000401
SLN^1^^A
SAC^C^^EU^LPC001^516
SLN^2^^A
SAC^C^^EU^PRB001^40824
IT1^2^^^^SV^ELECTRIC^C3^METER^MB^NT^EQ^NR
TXI^SU^103.79^^^^^A
MEA^AN^^44400^KH^^^51
MEA^AN^^0^K1^^^51
REF^RB^RATE5
REF^PRT^D
REF^MG^AB02068882
DTM^186^20000301
DTM^187^20000401
SLN^1^^A
SAC^C^^EU^ENC001^188700
TDS^240419
SE^29^0002

3)

ST^810^0003
BIG^20000406^0406225918601130000005^^^^^CT
REF^BLT^DUAL
REF^BF^01
N1^SJ^^9^CEP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
REF^11^100119
REF^12^04411495788888
DTM^186^20000301
DTM^187^20000401
IT1^2^^^^SV^ELECTRIC^C3^METER^MB^NT^EQ^NR
MEA^AN^^5854^KH^^^51
MEA^AN^^0^K1^^^51
REF^PRT^D
REF^MG^GE86316888
DTM^186^20000301
DTM^187^20000401
TDS^0
SE^21^0003

4)

ST^810^0004

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BIG^20000401^0406225918601130000014^^^^^00
 REF^BLT^LDC
 REF^BF^04
 N1^SJ^^9^CEP DUNS+4
 N1^8S^^1^T&D DUNS
 DTM^434^20000401
 IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
 REF^11^1000999
 REF^12^05540104088011
 DTM^186^20000229
 DTM^187^20000401
 IT1^2^^^^SV^ELECTRIC^C3^METER^MB^TOU^EQ^NR
 TXI^SU^7142.33^^^^A
 MEA^AN^^897081^KH^^42
 MEA^AN^^1722415^KH^^41
 MEA^AN^^734888^KH^^66
 MEA^AN^^0^K1^^42
 MEA^AN^^0^K1^^41
 MEA^AN^^0^K1^^66
 REF^RB^RATE2
 REF^PRT^J
 REF^MG^DM99000004
 DTM^186^20000229
 DTM^187^20000401
 SLN^1^^A
 SAC^C^^EU^ENC037^4173529
 SLN^2^^A
 SAC^C^^EU^ENC003^5393581
 SLN^3^^A
 SAC^C^^EU^ENC038^3418951
 IT1^3^^^^SV^ELECTRIC^C3^UNMET^^^EQ^NR
 TXI^SU^0.12^^^^A
 MEA^AN^^70^KH^^51
 REF^QQ^N^0000001
 REF^RB^RATE8
 REF^PRT^L
 REF^SC^U^238
 DTM^186^20000229
 DTM^187^20000401
 SLN^1^^A
 SAC^C^^EU^ENC001^220
 TDS^13700526
 SE^44^0004

5)

ST^810^0005
 BIG^20000401^0406225918601130000016^^^^^BD
 REF^BLT^LDC
 REF^BF^01
 N1^SJ^^9^CEP DUNS+4
 N1^8S^^1^T&D DUNS
 DTM^434^20000401
 IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
 REF^11^100000
 REF^12^04411492207777
 DTM^186^20000401
 DTM^187^20000401

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SLN^1^^A
SAC^C^^EU^PRB001^3642678
TDS^3642678
SE^16^0005

6)

ST^810^0006
BIG^20000406^0446225918881133330005^^^^^01
REF^BLT^DUAL
REF^BF^20
N1^SJ^^9^CEP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
REF^11^10011199
REF^12^04411477788888
DTM^186^20000301
DTM^187^20000401
IT1^2^^^^SV^ELECTRIC^C3^METER^MB^NT^EQ^NR
MEA^AN^^5854^KH^^^51
MEA^AN^^0^K1^^^51
REF^PRT^D
REF^MG^GE86316888
DTM^186^20000301
DTM^187^20000401
TDS^0
SE^21^0006

7)

ST^810^0007
BIG^20000406^0406225918601135555005^^^^^RE
REF^BLT^DUAL
REF^BF^01
N1^SJ^^9^CEP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^ACCOUNT^^^EQ^NR
REF^11^100119
REF^12^04411495788888
DTM^186^20000301
DTM^187^20000401
IT1^2^^^^SV^ELECTRIC^C3^METER^MB^NT^EQ^NR
MEA^AN^^9999^KH^^^51
MEA^AN^^0^K1^^^51
REF^PRT^D
REF^MG^GE86316888
DTM^186^20000301
DTM^187^20000401
TDS^0
SE^21^0007

GE^7^27
IEA^1^000001035

810-3

T&D → SOP

- Examples:**
- 1) Cycle 01 Standard Offer Usage and Billing Summary by Standard Offer Rate Class for residential customers
 - 2) Same as above
 - 3) Cycle 05 Standard Offer Usage and Billing Summary by Standard offer rate class for medium customers
 - 4) Cycle 05 Standard Offer Usage and Billing Summary by Standard offer rate class for large customers

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000401^2306^U^00400^000000197^0^P^|
 GS^IN^SENDER GROUP ID^RECEIVER GROUP ID^20000401^2306^188^X^004010

1)

```

ST^810^0001
BIG^20000406^0406225918601130000001^^^^^RP
REF^BLT^LDC
REF^BF^01
N1^SJ^^9^SOP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^RATE^^EQ^NR
MEA^AN^^12382412^KH^^51
REF^11^Standard Offer
REF^12^Standard Offer
REF^RB^SOPSR^0026615
DTM^187^20000401
SLN^1^^A
SAC^A^^EU^COL001^607580
SLN^2^^A
SAC^C^^EU^ENC001^50631683
TDS^50024103
SE^19^0001
  
```

2)

```

ST^810^0002
BIG^20000401^0406225918601130000002^^^^^RP
REF^BLT^LDC
REF^BF^01
N1^SJ^^9^SOP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^SV^ELECTRIC^C3^RATE^^EQ^NR
MEA^AN^^1716037^KH^^51
REF^11^Standard Offer
REF^12^Standard Offer
REF^RB^SOPSS^0002115
DTM^187^20000401
SLN^1^^A
SAC^A^^EU^COL001^84203
SLN^2^^A
SAC^C^^EU^ENC001^7016875
TDS^6932672
SE^19^0002
  
```

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3)

ST^810^0003
BIG^20000401^0406225918601130000003^^^^^**RP**
REF^BLT^LDC
REF^BF^05
N1^SJ^^9^SOP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^^SV^ELECTRIC^C3^RATE^^^EQ^NR
MEA^AN^^1716037^KH^^^51
REF^11^Standard Offer
REF^12^Standard Offer
REF^RB^SOPMD^0002115
DTM^187^20000401
SLN^1^^A
SAC^A^^EU^COL001^84203
SLN^2^^A
SAC^C^^EU^ENC001^7016875
TDS^6932672
SE^19^0003

4)

ST^810^0004
BIG^20000401^0406225918601130000003^^^^^**RP**
REF^BLT^LDC
REF^BF^05
N1^SJ^^9^SOP DUNS+4
N1^8S^^1^T&D DUNS
DTM^434^20000401
IT1^1^^^^^SV^ELECTRIC^C3^RATE^^^EQ^NR
MEA^AN^^233620^KH^^^42
MEA^AN^^215960^KH^^^41
MEA^AN^^166040^KH^^^66
MEA^AN^^0^K1^^^42
MEA^AN^^0^K1^^^66
REF^11^Standard Offer
REF^12^Standard Offer
REF^RB^SOPLG^0002115
DTM^187^20000401
SLN^1^^A
SAC^A^^EU^COL001^84203
SLN^2^^A
SAC^C^^EU^ENC001^7016875
SLN^3^^A
SAC^C^^EU^DMD007^0
SLN^4^^A
SAC^C^^EU^DMD029^0
TDS^4789067
SE^27^0004

GE^4^188
IEA^1^000000197

814 General Request, Response or Confirmation Ver/Rel 004010

Functional Group ID=**GE**

Introduction:

The 814 General Request, Response or Confirmation can be sent from a Supplier to a Distribution Company or vice-versa. This transaction's purpose is multi-faceted and is intended to be used to accommodate multiple administrative enrollment functions as identified in the detail LIN03 value.

Business Function & Examples:

Enroll Customer (814 - 1)
Change Supplier Company Data (814 - 2)
Change Distribution Company Data (814 - 3)
Successful Enrollment Response (814 - 4)
Customer Move Notification (814 - 5)
Error Response (814 - 6)
Customer Drops Supplier (814 - 7)
Supplier Drops Customer (814 - 8)
Drop Date Confirmation (814 - 9)
Historical Usage Request (814 - 10)
Positive Change Confirmation (814-11)
Cancel Pending Drop (814-12)
Confirm Cancel Drop (814-13)

Examples are included at the end of the transaction.

Transaction Notes:

1. There will be one 814 from a Competitive Electricity Provider to Distribution Company, or vice versa, for each business function carried out on a Distribution Company account.
2. The N1 loop at position 040 is used to identify the transaction sender and receiver.
3. The third N1 loop in the Headers section is used to pass mailing address information, and is mandatory on a Successful Enrollment Response (814-4) returned from the Distribution Company to the CEP.
4. The LIN loop is used to describe the account-specific information for the

transaction set, including the appropriate codes indicating the action required. The Completion Status/Reject Code passed in REF030 element REF03 can contain up to 10 different codes of three characters each strung together. See page C.3.19 for the list of valid codes

5. The combination of the BGN01, ASI01 and ASI02 indicate what transaction set is being passed and what it should be used for.

Transaction Set	Detail Rec. Ind. (Used internally by CMP)	BGN0 1	LIN02/0 4	LIN05	ASI 01	ASI02
814-1	E	13	SH	HU (OP)	7	021
814-2	C	13	SH		7	001
814-3	C	13	SV	BB (OP)	7	001
814-4	E	6	SV	BB (OP)	WQ	021
814-5	M	14	SV	BB (OP)	27	025
814-6	X	11	SV		U	021
814-7	D	6	SV		7	024
814-8	D	13	SH		7	024
814-9	F	6	SV		V	024
814-10	H	13	SH	HU (M/U)	7	066
814-11	A	6	SV		V	001
814-12	K	13	SH		7	026
814-13	K	11	SV		WQ	026

6. The NM1 loop is used to describe the services associated with the account identified in the LIN loop.
 - a) On completion of a successful enrollment by the Distribution Company, the Distribution Company will return a Successful Enrollment Response (814-4) which will include all of a Customer's services enrolled using either the CEP's rate indicated in the Enroll transaction or a default rate agreed upon by both the Distribution Company and CEP for that service.
 - b) When sending a Change Enrollment Detail (814-2 & 814-3) transaction, all services must be sent via the NM1 loop. This includes services to which changes are being made, as well as those which are to remain the same.
7. The DTM040 segment is passed only on Customer Drop (814-7), Supplier Drop (814- 8) and Drop Date Confirmation (814-9), and is used to indicate to requested off-cycle drop/read date (814-7 & 814-8), or the confirmed off-cycle date (814-9).
8. Once a year, an EDI Change Distribution Company Data (814-3) transaction with the Nepool Peak date and ICAP Tag Is transmitted to Suppliers. It is the only time the Change Distribution Company Data 814-3 transaction contains the Nepool Peak date found in the in DTM040 segment with DTM01 date qualifier 007.

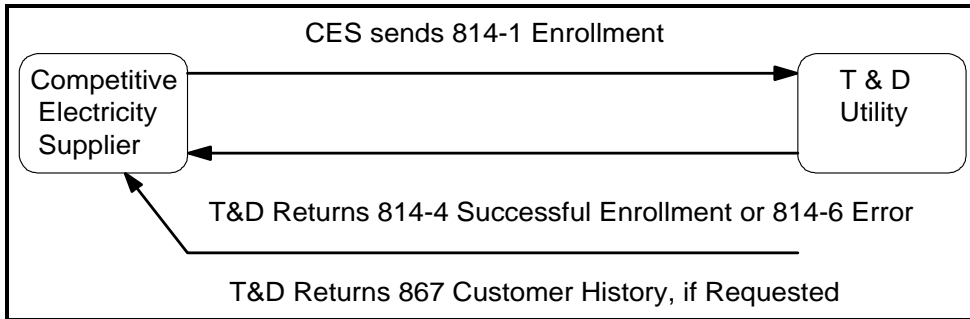
Transaction Specific Best Practices

Definitions for Data Elements 128 (REF01), 306 (ASI01), and 875 (ASI02)

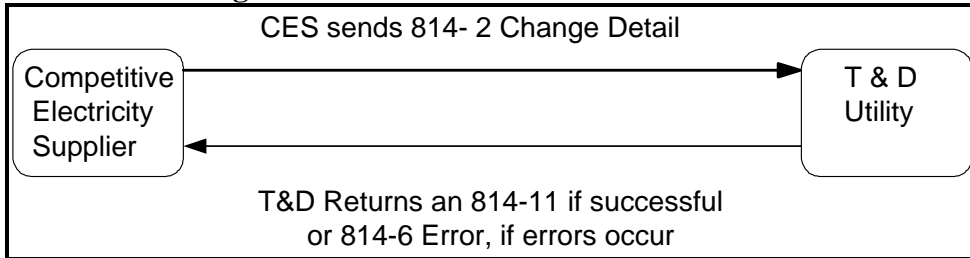
To accommodate the identification requirements necessitated by the restructuring of the electric utility industry, the UIG has developed its own definitions for the qualifiers and codes found in data elements 128, 306, and 875.

Transaction Data Flows

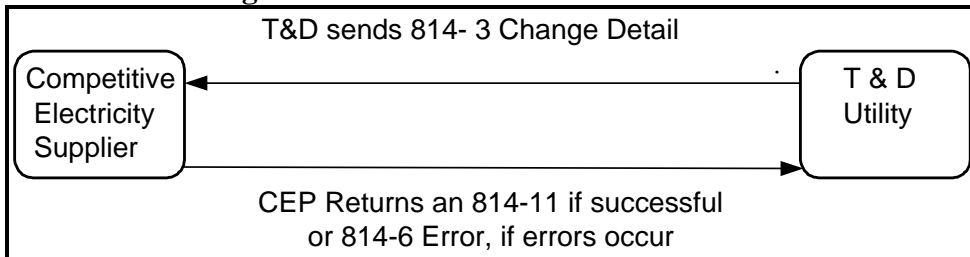
814-1 Enrollment



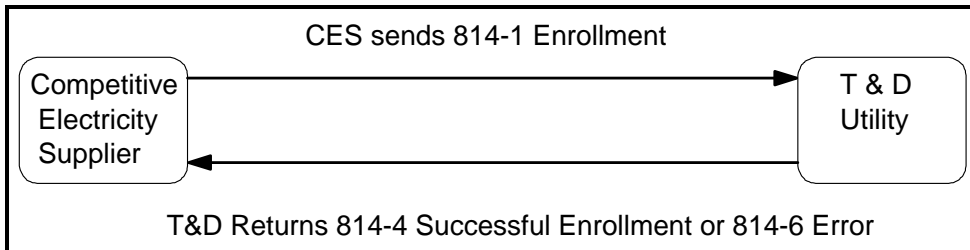
814-2 CES Change Detail



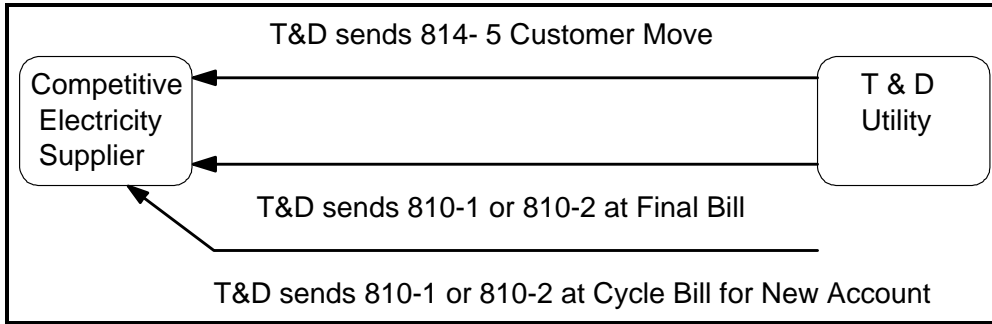
814-3 T&D Change Detail



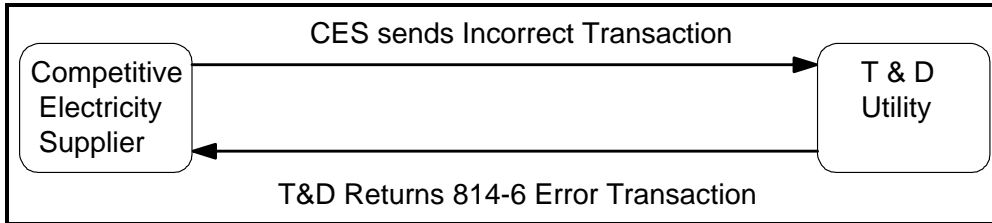
814-4 Successful Enrollment



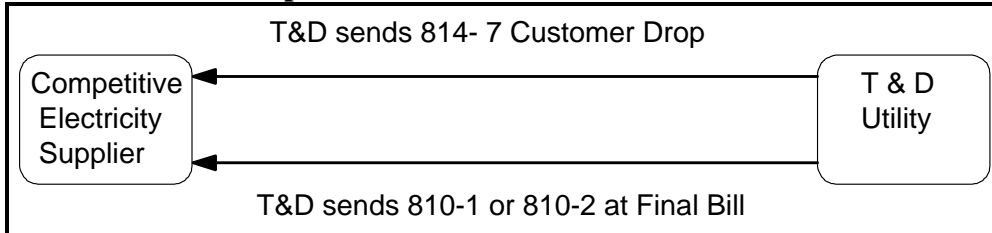
814-5 Customer move



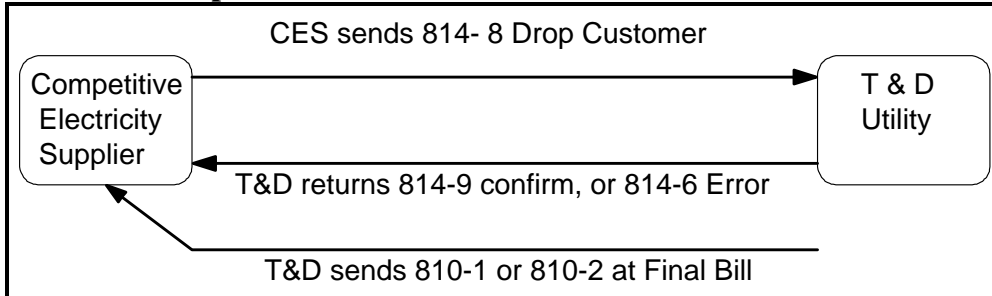
814-6 Error Transaction



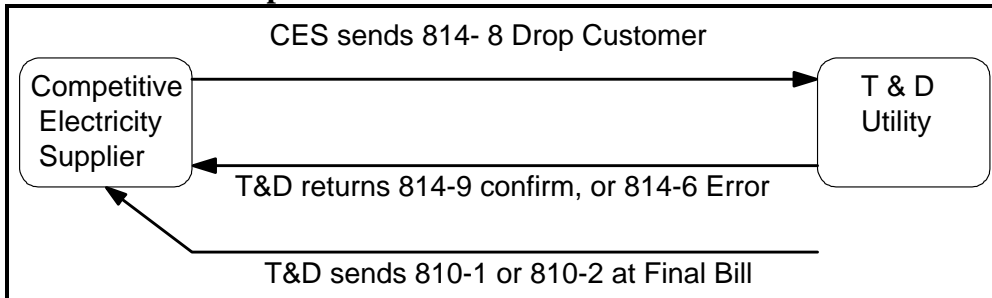
814-7 Customer Drops CES



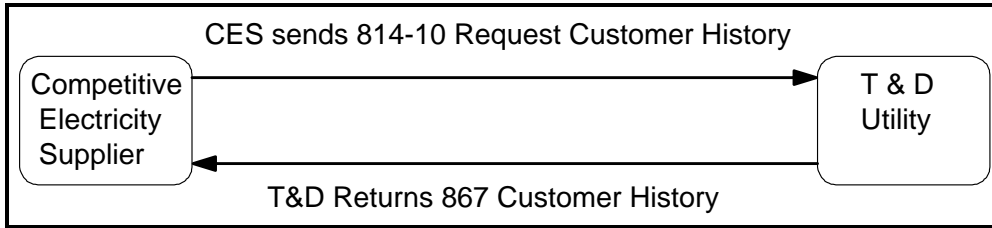
814-8 CES Drops Customer



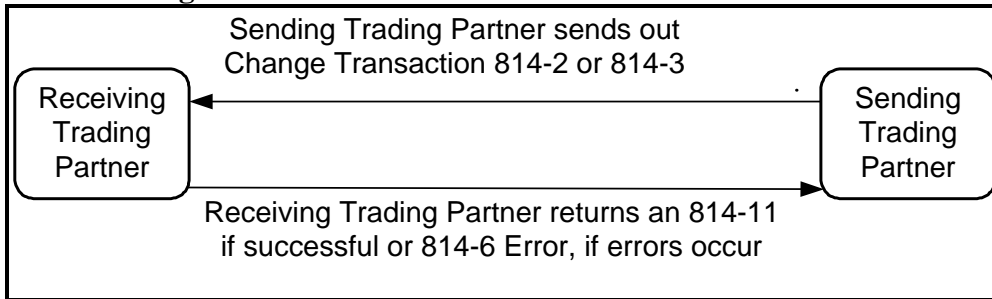
814-9 Confirm Drop



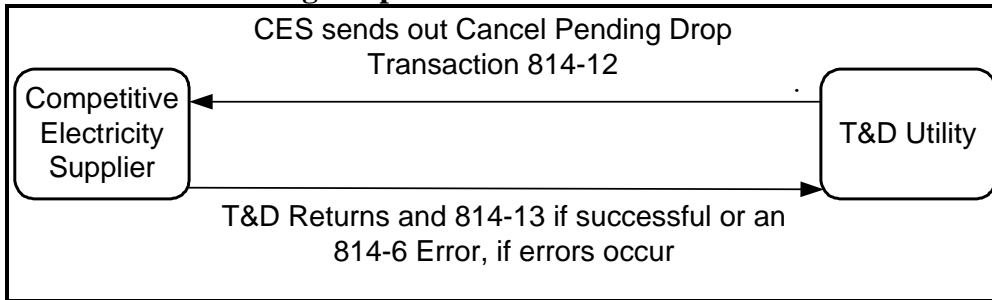
814-10 Request Customer History



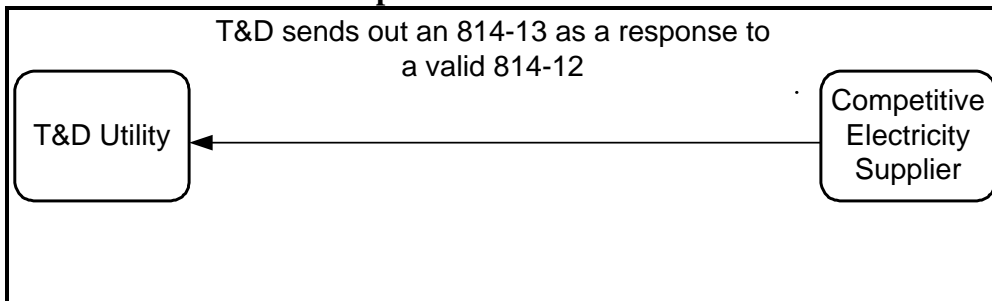
814-11 Change Confirmation



814-12 Cancel Pending Drop



814-13 Confirm cancel Drop



Transaction Set Layout

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		6
LOOP ID - N1							2
Must Use	040	N1	Distribution Company	O	1		
LOOP ID - N1							2
Must Use	040	N1	Supplier	O	1		
LOOP ID - N1							3
	040	N1	Bill to Identifier	O	1		
	060	N3	Address Information - Bill to	O	1		
	070	N4	Additional Address Information - Bill to	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
LOOP ID - LIN							4
Must Use	010	LIN	Item Identification	O	1		
Must Use	020	ASI	Action or Status Indicator	O	1		6
Must Use	030	REF	Distribution Co Account Number	O	1		
	030	REF	Supplier Account Number	O	1		
	030	REF	Reason for Change	O	1		
	030	REF	Billing Option	O	1		
	030	REF	Old Customer Account Number	O	1		
	030	REF	No ICAP Tag	O	1		
	030	REF	Completion Status/Reject Reason	O	1		5
	040	DTM	Effective Date of Service	O	1		
	040	DTM	Off-cycle Read Date	O	1		8
	060	AMT	ICAP Tags	O	1		
	060	AMT	Sales Tax Exempt	O	1		
LOOP ID - NM1						>1	7
Must Use	080	NM1	Individual or Organizational Name	O	1		
Must Use	130	REF	Type of Service Indicator	O	1		
	130	REF	Read Cycle	O	1		
	130	REF	Standard Point Location Code	O	1		
	130	REF	Sales Tax Indicator	O	1		
	130	REF	Current Service Identifier	O	1		
	130	REF	Old Service ID	O	1		
	130	REF	Supplier Rate Code	O	1		
	130	REF	Distribution Co Rate Code	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	150	SE	Transaction Set Trailer	M	1		

814 – ADMINISTRATIVE LIST OF FIELDS

<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>EBT</u>		<u>EDI IMPLEMENTATION GUIDELINES</u>			
		<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	OP	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
Identifier Address	OP	55	A/N	N3/060	N1		N301
Bill To Address - City	OP	30	A/N	N4/070	N1		N401
Bill To State		2					N402
Bill To Postal Code		15					N403
Bill to Country		3					N404
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020			BGN01 ASI01/02
Item Identification (loop counter)	M/U	20	A/N	LIN/010	LIN		LIN01
Historical Usage Request	OP	2				HU	LIN05
Budget/Summary Billing Account	OP	2				BB/SL	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	OP	20	A/N	REF/030	LIN	11	REF02
Reason for Change	OP	6	A/N	REF/030	LIN	TD	REF02
NO ICAP TAG	OP	30	A/N	REF/030	LIN	KC	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Old Customer Account Number(CES or T&D)	OP	20	A/N	REF/030	LIN	45	REF02
Completion Status / Reject Reasons	OP	30	A/N	REF/030	LIN	7G	REF03
Effective Date of Service	OP	8	DATE	DTM/040	LIN	007/186	DTM02
Read Indicator	OP	3	A/N	DTM/040	LIN	MRR/245	DTM01
Off Cycle Read Date	OP	8	DATE	DTM/040	LIN		DTM02
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	AMT02

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ICAP Tag	OP	10	A/N	AMT060	LIN	KC	AMT02
Monetary Amount – ICAP Tag	OP	10	A/N	AMT060	LIN	KC	AMT02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02

814 - ADMINISTRATIVE LIST OF FIELDS - CONTINUED

<u>DETAIL DESCRIPTION</u>	EBT			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	US E	SIZE	TYP E	SEGMENT/POS	LOOP	QUALIFI ER	REFER TO
Sales Tax Indicator	OP	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Old Service Identifier	OP	20	A/N	REF/130	NM1	46/WF	REF02
Supplier Rate Code	OP	5	A/N	REF/130	NM1	RB	REF02
Distribution Company rate code	OP	5	A/N	REF/130	NM1	NH	REF02

LEGEND M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

814-1 ENROLL CUSTOMER LIST OF FIELDS

From Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>EBT</u>		<u>EDI IMPLEMENTATION GUIDELINES</u>			
		<u>SIZE</u>	<u>TYPE</u>	<u>SEGMT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		13 7/021	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Historical Usage Request	OP	2				HU	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	M/U	4	A/N	REF/030	LIN	BLT	REF02
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	AMT02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Sales Tax Indicator	OP	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Supplier Rate Code	OP#	5	A/N	REF/130	NM1	RB	REF02

LEGEND

M/U = Must Use, OP = Optional, OP# = Must Use When Consolidated Billing Option is Selected
 DATE = CCYYMMDD A/N = Alphanumeric

814-2 CHANGE SUPPLIER COMPANY DATA

From Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		13 7/001	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Reason for Change	M/U	6	A/N	REF/030	LIN	TD	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	M/U	4	A/N	REF/030	LIN	BLT	REF02
Old Customer Account Number	OP*	20	A/N	REF/030	LIN	45	REF02
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	ATM02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Sales Tax Indicator	OP	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Supplier Rate Code	OP#	5	A/N	REF/130	NM1	RB	REF02

LEGEND

M/U = Must Use, OP = Optional, OP# = Must Use When Consolidated Billing Option is Selected
 DATE = CCYYMMDD, A/N = Alphanumeric, OP* = Must Use When Account Number is Changing

814-3 CHANGE DISTRIBUTION COMPANY DATA

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	REF02
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	REF02
Identifier Address	OP	55	A/N	N3/060	N1		
Bill To Address - City	OP	30	A/N	N4/070	N1		N401
Bill To State		2					N402
Bill To Postal Code		15					N403
Bill to Country		3					N404
DETAIL DESCRIPTION							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020	LIN	13 7/001	BGN01 AS101/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Budget/Summary Billing Information	OP	2				BB/SL	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Reason for Change	M/U	6	A/N	REF/030	LIN	TD	REF02
No ICAP TAG	OP	11	A/N	REF/030	LIN	KC	REF02
Billing option for the account	M/U	4	A/N	REF/030	LIN	BLT	REF02
Separate (DUAL) or Consolidated (LDC)							
Read Cycle	OP	3	A/N	REF/130	NM1	65	REF02
Old Customer account number	OP*	20	A/N	REF/030	LIN	45	REF02
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	ATM02
ICAP Tag	OP	10	A/N	AMT060	LIN	KC	AMT02
Effective Date of Service	OP	8	DATE	DTM/040	LIN	007/186	DTM02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Standard Point Location Code	M/U	80	A/N	REF/130	NM1	SPL	REF03
Sales Tax Indicator	OP	2	A/N	REF/130	NM1	TX	REF02

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Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Old Service Identifier	OP	20	A/N	REF/130	NM1	46/WF	REF02
Distribution Rate Code	OP	5	A/N	REF/130	NM1	NH	REF02

LEGEND M/U = Must Use, OP = Optional, DATE = CCYYMMDD, A/N = Alphanumeric, OP* = M/U if Acct # Change

814-4 SUCCESSFUL ENROLLMENT LIST OF FIELDS

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	M/U	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
Identifier Address	OP#	55	A/N	N3/060	N1		N301
Bill To Address - City	OP	30	A/N	N4/070	N1		N401
Bill To State		2					N402
Bill To Postal Code		15					N403
Bill to Country		3					N404
DETAIL DESCRIPTION							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		6 WQ/021	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Budget/Summary Billing Information	OP	2				BB/SL	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Effective Date of Service	M/U	8	DATE	DTM/040	LIN	007/186	DTM02
ICAP Tag	OP	10	A/N	AMT060	LIN	KC	AMT02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	M/U	4	A/N	REF/030	LIN	BLT	REF02
No ICAP TAG	OP	11	A/N	REF/030	LIN	KC	REF02
Completion Status / Reject Reasons	M/U	30	A/N	REF/030	LIN	7G	REF03
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	AMT02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Standard Point Location Code	M/U	80	A/N	REF/130	NM1	SPL	REF03
Read cycle	M/U	3	A/N	REF/130	NM1	65	REF02

Maine EBT Technical Specifications

Sales Tax Indicator	M/U	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Distribution Rate Code	M/U	5	A/N	REF/130	NM1	NH	REF02
Supplier Rate Code	OP#	5	A/N	REF/130	NM1	RB	REF02

LEGEND

M/U = Must Use OP = Optional OP# = Must Use if Consolidated Billing, DATE = CCYYMMDD A/N = Alphanumeric

814-5 CUSTOMER MOVE LIST OF FIELDS

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
Identifier Address	OP#	55	A/N	N3/060	N1		N301
Bill To Address - City	OP	30	A/N	N4/070	N1		N401
Bill To State		2					N402
Bill To Postal Code		15					N403
Bill to Country		3					N404
DETAIL DESCRIPTION							
Detail Record Indicator	M/U	1	A/N	BGN/020		14	BGN01
Item Identification	M/U	20	A/N	ASI/020	LIN	27/025	ASI01/02
Budget/Summary Billing Information	OP	2		LIN/010	LIN		LIN01
						BB/SL	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Billing option for the account	OP	4	A/N	REF/030	LIN	BLT	REF02
Separate (DUAL) or Consolidated (LDC)							
Old Distribution Co account number	M/U	20	A/N	REF/030	LIN	45	REF01
Completion Status / Reject Reasons	OP	30	A/N	REF/030	LIN	7G	REF01
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	AMT02
Effective Date of Service	M/U	8	DATE	DTM/040	LIN	007/186	DTM02
ICAP Tag	OP	10	A/N	AMT060	LIN	KC	AMT02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Standard Point Location Code	M/U	80	A/N	REF/130	NM1	SPL	REF03
Read cycle (at new location)	M/U	3	A/N	REF/130	NM1	65	REF02
Sales Tax Indicator	M/U	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02

Maine EBT Technical Specifications

Old Service Identifier	OP	20	A/N	REF/130	NM1	46/WF	REF02
Supplier Rate Code	OP#	5	A/N	REF/130	NM1	RB	REF02
Distribution Rate Code	M/U	5	A/N	REF/130	NM1	NH	REF02

LEGEND

M/U = Must Use OP = Optional OP# = Must Use if Consolidated Billing DATE = CCYYMMDD A/N = Alphanumeric

814-6 ERROR RECORD LIST OF FIELDS

From Distribution Company to Supplier or Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	M/U	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		11 U/021	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number	OP	20	A/N	REF/030	LIN	11	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Completion Status / Reject Reasons	M/U	30	A/N	REF/030	LIN	7G	REF03
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

814-7 CUSTOMER DROPS SUPPLIER LIST OF FIELDS

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator		1	A/N	BGN/020 ASI/020		6 7/024	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Effective Date of Service	M/U	8	DATE	DTM/040	LIN	007/186	DTM02
Read Indicator	OP	3	A/N	DTM/040	LIN	MRR/245	DTM01
Off Cycle Read Date	OP	8	DATE	DTM/040	LIN		DTM02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Distribution Company Rate Code	OP	5	A/N	REF/130	NM1	NH	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

814-8 SUPPLIER DROPS CUSTOMER LIST OF FIELDS

From Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		13 7/024	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Read Indicator	OP	3	A/N	DTM/040	LIN	MRR/245	DTM01
Off Cycle Read Date	OP	8	DATE	DTM/040	LIN		DTM02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

814-9 CONFIRMATION OF CUSTOMER DROP DATE LIST OF FIELDS

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	M/U	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		6 V/024	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Completion Status / Reject Reasons	M/U	30	A/N	REF/030	LIN	7G	REF03
Effective Date of Service	M/U	8	DATE	DTM/040	LIN	007/186	DTM02
Read Indicator	OP	3	A/N	DTM/040	LIN	MRR/245	DTM01
Off Cycle Read Date	OP	8	DATE	DTM/040	LIN		DTM02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Distribution Company Rate Code	OP	5	A/N	REF/130	NM1	NH	REF02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

814-10 REQUEST CUSTOMER USAGE DATA LIST OF FIELDS

From Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		13 7/066	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Request for Usage Information		2				HU	LIN05
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	OP	20	A/N	REF/030	LIN	11	REF02
Billing option for the account Separate (DUAL) or Consolidated (LDC)	OP	4	A/N	REF/030	LIN	BLT	REF02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Read cycle	OP	3	A/N	REF/130	NM1	65	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02

LEGEND

M/U = Must Use OP = Optional (returned if sent)
 DATE = CCYYMMDD A/N = Alphanumeric

814-11 POSITIVE CHANGE RESPONSE

From Distribution Company to Supplier or Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>EBT</u>		<u>EDI IMPLEMENTATION GUIDELINES</u>			
		<u>SIZE</u>	<u>TYPE</u>	<u>SEGMT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	M/U	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
Identifier Address	OP	55	A/N	N3/060	N1		
Bill To Address - City	OP	30	A/N	N4/070	N1		N401
Bill To State		2					N402
Bill To Postal Code		15					N403
Bill to Country		3					N404
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020 ASI/020		06 WQ/001	BGN01 ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current/new)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current/new)	M/U	20	A/N	REF/030	LIN	11	REF02
Reason for Change	M/U	6	A/N	REF/030	LIN	TD	REF02
Billing option; DUAL or LDC	M/U	4	A/N	REF/030	LIN	BLT	REF02
Read Cycle	OP	3	A/N	REF/130	NM1	65	REF02
Old customer account number	OP	20	A/N	REF/030	LIN	45	REF02
Sales Tax Exempt	OP	2	A/N	AMT/060	LIN	T/DP	ATM02
Completion Status/Reject Reason	OP	3	A/N	REF/030	LIN	7G	REF03
Effective Date of Service	OP	8	DATE	DTM/040	LIN	007/186	DTM02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02
Sales Tax Indicator	OP	2	A/N	REF/130	NM1	TX	REF02
Current Service Identifier	OP	20	A/N	REF/130	NM1	MG/SC	REF02
Supplier Rate Code	OP	5	A/N	REF/130	NM1	RB	REF02
Old Service Identifier	OP	20	A/N	REF/130	NM1	46/WF	REF02

814-12 CANCEL PENDING DROP

From Supplier to Distribution Company

				<u>EDI IMPLEMENTATION GUIDELINES</u>			
<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>SIZE</u>	<u>EBT TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020		13	BGN01
				ASI/020	LIN	7/026	ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current)	M/U	20	A/N	REF/030	LIN	12	REF02
Supplier account number (current)	M/U	20	A/N	REF/030	LIN	11	REF02
Individual or Organization Name	M/U	3	A/N	NM1/080	NM1	MQ/3	NM101/02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02

LEGEND M/U = Must Use, OP = Optional, DATE = CCYYMMDD, A/N = Alphanumeric

814-13 CONFIRM CANCEL DROP

From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Original Tracking Number	M/U	30	A/N	BGN/060			BGN06
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/040	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/040	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020		11	BGN01
				ASI/020	LIN	WQ/026	ASI01/02
Item Identification	M/U	20	A/N	LIN/010	LIN		LIN01
Distribution Co Acct number (current)	M/U	20	A/N	REF/030	LIN	12	REF02
Individual or Organization Name	M/U	3	A/N	NM1/080	NM1	MQ/3	NM101/02
Supplier account number (current)	M/U	20	A/N	REF/030	LIN	11	REF02
Type of Service Indicator	M/U	3	A/N	REF/130	NM1	PRT	REF02

LEGEND M/U = Must Use, OP = Optional, DATE = CCYYMMDD, A/N = Alphanumeric

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M	ID 3/3
			814 – General Request, Response, or Confirmation		
M/U	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
			Unique number generated by the sender's translator		

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Comments:

Data Element Summary

	Ref. Des.	Data Attributes	Data Elements	Name		
M/U	BGN01		353	Transaction Set Purpose Code Code identifying the purpose of the transaction set.	M	ID 2/2
				06 – Confirmation Confirms the receipt of the request, action on the requested service is pending.		
				11 – Response Signifies that the requested service will be addressed as described in this transaction.		
				13 – Request		
				14 – Advance Notification		
M/U	BGN02		127	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier	M	AN 1/30
				Unique Tracking Identification Number assigned by the Senders application interface		
M/U	BGN03		373	Date Date (CCYYMMDD)	M	DT 8/8
				File Creation Date		
OP	BGN06		373	Reference Identification Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier	M	AN 1/30
				Unique Tracking Identification Number sent with the originating transaction.		

Segment: **N1 Distribution Company**
Position: 040
Loop: N1
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code Identifying an organizational entity, a physical location, property or an individual 8S – Consumer Service Provider (Distribution Company)	M	ID 2/3
	N102	93	Name Free form name Distribution Company Name (MPS is the only T&D which populates this field.)	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 – DUNS Number (Dun & Bradstreet)	X	ID 1/2
M/U	N104	67	Identification Code Code identifying a party or other code Distribution Company DUNS Number	X	AN 2/80

Segment: **N1 Supplier**
Position: 040
Loop: N1
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: Element N104 requires CEP DUNS Number plus a four digit qualifier. This qualifier is used to identify CEP's with multiple load asset numbers.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	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
	N102	93	Name Free-form name Supplier Company Name (MPS the only T&D which populates this field.)	X	AN 1/60
M/U	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 9 – DUNS Number (Dun & Bradstreet) plus four digit qualifier	X	ID 1/2
M/U	N104	67	Identification Code Code identifying a party or other code Supplier DUNS Number plus four digit qualifier	X	AN 2/80

Segment: **N1 Bill to Identifier**
Position: 040
Loop: N1
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments Mandatory for successful enrollment 814-4. Optional for all other 814 transactions. (BHE populates this information on all 814 transactions except the 814-6.)

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or individual	M	ID 2/3
			BT – Bill-To Party Used to identify a billing address for the customer associated with the account identified in the LIN segment.		
M/U	N102	93	Name Free form name	X	AN 1/60
			Customer Name NV – No value if customer name not sent T&D's do not send name, use the value NV		

Segment: **N3 Address Information**
Position: 060
Loop: N1
Level: Heading:
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Comments: Mandatory for successful enrollment 814-4. Optional for all other 814 transactions. (BHE populates this information on all 814 transactions except the 814-6.)

Data Element Summary

	Ref. Des. Attributes	Data Elements	Name		
M/U	N301	166	Address Information	M	AN 1/55
			Bill-To Address		
	N302	166	Address Information	M	AN 1/55
			Additional Address Information		

Segment: **N4 Additional Address Information**
Position: 070
Loop: N1
Level: Heading:
Usage: Optional
Max Use: 1
Purpose:
Comments: Mandatory for successful enrollment 814-4. Optional for all other 814 transactions. (BHE populates this information on all 814 transactions except the 814-6.)
 N404 will be provided if not USA and available.

Data Element Summary

	Ref. Des.	Data Attributes	Data Elements	Name		
M/U	N401		19	City Name Free form text for city name	M	AN 2/30
				Bill-To City		
M/U	N402		156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M	ID 2/2
				Bill-To State		
M/U	N403		116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID 3/15
				Bill-To Postal Code		
	N404		26	Country Code Code Identifying the country	M	ID 2/3
				Bill-To Country		

Segment: **LIN** Item Identification
Position: 010
Loop: LIN
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify basic item identification data
Comments: When requesting Historical Data or indicating budget billing, or summary billing, LIN04 and LIN05 must be used.

Data Element Summary

	Ref. Des.	Data Attributes	Name		
M/U	LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M	AN 1/20
			Unique sequential number for each line item within this transaction set		
M/U	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID 2/2
			SH – Service Requested		
			SV – Service Rendered		
M/U	LIN03	234	Product/Service ID Identifying number for a product or service	M	AN 1/48
			EL – Electric Service		
	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	M	ID 2/2
			SH – Service Requested		
			SV – Service Rendered		
	LIN05	234	Product/Service ID Identifying number for a product or service	M	AN 1/48
			HU – Historical Usage		
			BB – Budget Billing		
			SL – Summary Billing		

Segment: **ASI** Action or Status Indicator

Position: 020

Loop: LIN

Level: Detail:

Usage: Must Use

Max Use: 1

Purpose: To indicate the action to be taken with the information provided or the status of the entity described.

Comments: 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) “Completion Status/Reject Reason” rather than in the ASI03, to allow for multiple status reasons.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ASI01	306	Action Code Code indicating type of action	M	ID 1/2
			7 – Request (Enroll Customer, Supplier Drops Customer, Customer Drops Supplier, Change Supplier Company Data, Historical Usage Request)		
			27 – Moved – Follow-up (Seamless move within Distribution Company service territory)		
			U – Reject (Error Response)		
			V – Respond (Confirmed Drop Date)		
			WQ – Accept (Successful Enrollment)		
M/U	ASI02	875	Maintenance Type Code Code identifying the specific type of item maintenance.	M	ID 3/3
			001 – Change (Change Customer Data)		
			021 – Addition (used when requesting or confirming new service, or Error response)		
			024 – Cancellation or termination (Supplier drops customer, Customer drops Supplier, Confirm drop)		
			025 – Reinstatement (Customer Move or Reinstatement after a disconnect)		
			026 – Correction (Used in Cancel Pending Drop & Confirm Cancel Drop)		
			066 – Status Request To be used on the 814-10 , Historical Usage Request		

Segment: **REF** **Distribution Company Account Number**
Position: 030
Loop: LIN
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			12 – Billing Account		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Distribution Company Account Number		
			Account Number Formats CMP – 13 digits and a leading zero BHE – 16 digits with leading zeros MPS – up to 10 digits with no leading zeros, typically 5 to 6 digits		

Segment: **REF** **Supplier Account Number**
Position: 030
Loop: LIN
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: This REF is only optional in the 814-10 and 814-6 when the account number is not available. This segment is must use for all other 814s.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			11 – Account Number		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Supplier Account Number NV (no value) will be sent if no Supplier Account Number is available.		

Segment: **REF** Reason for Change
Position: 030
Loop: LIN
Level: Detail:
Usage: Optional
Max Use: 1
Purpose:
Comments: Used only on Change Supplier Company Data (814-2) and Change Distribution Company Data (814-3).

Data Element Summary

	Ref. Des.	Data Attributes	Name		
M/U	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M	ID 2/3
			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.

Codes used in 814-2:	
REF11	Change CES-assigned Account Number
REFBLT	Change Billing Type (Billing Option)
REFRB	Change Supplier Rate
Codes Used in 814-3:	
ASI27	Change or Cancel Move Transaction
AMTDP	Change Percentage of Sales Tax Exempt (Tax Indicator) (Consolidated Billing Only)
AMTKC	Change Capacity Obligation
DTM007	Change Effective Date
DTM245	Change Estimated Completion Date
N1BT	Change Bill-to Party Name/Address
REF12	Change Utility-assigned Account Number
REF65	Change Meter Owner's Meter Read Cycle
REF9V	Change Payment Option (Consolidated Billing Only)
REFNH	Change Distribution Company Rate
REFSC	Change Unmetered Rate Plan
REFMG	Change Meter Number (Service Identifier)

Segment: **REF** **Billing Option**
Position: 030
Loop: LIN
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Must Use on 814-1 Enrollment and 814-4 Successful Enrollment.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			BLT – Billing Type		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			LDC – Distribution Company Bills (Consolidated and Standard Offer)		
			DUAL – Both parties bill their own portions (Separate)		

Segment: **REF** Old Customer Account Number
Position: 030
Loop: LIN
Level: Detail:
Usage: Conditional
Max Use: 1
Purpose: To specify identifying information
Comments: Must be used if account number is changed. CMP ignores the old supplier account number.

Data Element Summary

	Ref. Des.	Data Attributes	Name		
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification 45 – Old Account Number	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. Old Customer Account Number	M	AN 1/30

Segment: **REF** Reference Identification – No ICAP Tag
Position: 030
Loop: LIN
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Utility Specific Comments: MPS sends NO ICAP TAG in REF02.

Data Element Summary			
	Ref. Des. Attributes	Data Elements	Name
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification KC Exhibit Distribution List Capacity obligation/Load responsibility – Peak Load contribution provided to the ISO for installed Capacity Obligations.
			M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier. Literal “ NO ICAP TAG” The REF*KC segment will only be sent if the ICAP Tag value in the application file is blank. (A default value of Zero will be entered in the AMT segments AMT02 element).
			X AN 1/30

Segment: **REF** Completion Status/Reject Reason
Position: 030
Loop: LIN
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Mandatory use for Error 814-6 and the 814-9 transactions.
 Maximum of 10 codes - 3 digits each
 For the 814-6, in REF03 the 1st character of code is always 1.
 Invalid codes can also refer to missing codes.

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	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.	M AN 1/30
M/U	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.	M AN 1/80
		1st character of Code	1 Administrative Format (814)	
		2nd & 3rd character of Code	00 Successful Transaction 01 Invalid Detail Record Indicator 02 Invalid Supplier Account Number 03 Invalid Distribution Company Account Number 04 Invalid Distribution Company Customer Name 05 Invalid Code Identifying Function of Record 06 Invalid Effective Date of Service & Load Request 07 Invalid Billing Option 08 Invalid Disco Rate Code 09 Invalid Supplier Rate Code 10 Invalid Supplier Pricing Structure 11 Invalid Type of Service Indicator 12 Invalid Service Identifier 13 Invalid Billing Cycle 14 Invalid Sales Tax Indicator 15 Invalid Off Cycle Reading Indicator 16 Invalid Off Cycle Reading Date	

- 17** Invalid New Distribution Company Account Number
- 18** Invalid New Service Identifier
- 53** Invalid Supplier ID
- 54** Invalid Distribution Company ID

- 64** Customer Already Enrolled
- 65** Supplier on probation
- 66** Related Transaction failed
- 67** Customer Already Enrolled for This Supplier
- 68** Invalid Completion Code
- 69** Invalid New Distribution Company Customer Name
- 70** Invalid Special Identifier
- 71** Invalid Bill To Address 1
- 72** Invalid Bill To Address 2
- 73** Invalid Bill To City
- 74** Invalid Bill To State
- 75** Invalid Bill To Postal Code
- 76** Invalid Bill To Country
- 77** Invalid Customer Status
- 79** Invalid Rate for Meter Installed
- 81** Invalid Supplier Rate for Services on Account
- 82** Cancel Move Transaction
- 83** Inactive Meter
- 84** New Account
- 85** Service Order Pending
- 86** Invalid Cancel Drop

Segment: **DTM** **Effective Date of Service**
Position: 040
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Comments: This will be used for all utility outbound 814 transactions, except 814-6 Error transaction.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M	ID 3/3
			186 - Service Period Start (Used for 814-4 Successful Enrollment and 814-5 Move transaction)		
			007 - Effective Date (Used for 814-3 Change Distribution Company Data once a year push of ICAP TAG's to suppliers , 814-7 Customer Drop and 814-9 Confirmation of Drop transactions)		
M/U	DTM02	373	Date Date expressed as CCYYMMDD	X	DT 8/8
			Use of DTM02 allows translator to validate the date		

Segment: **DTM Off-cycle Read Date**

Position: 040

Loop: LIN

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify pertinent dates and times

Comments: This can be used in 814-7 Customer Drops Supplier and 814-8 Supplier Drops Customer

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M	ID 3/3
			MRR – Meter Reading (Off-cycle read date)		
			245 – Estimated Completion (Prorated)		
M/U	DTM02	373	Date Date expressed as CCYYMMDD	X	DT 8/8
			Use of DTM02 allows translator to validate the date		

Segment: **AMT Monetary Amount – ICAP Tag**
Position: 060
Loop: LIN Optional (Must Use)
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Utility Specific Comment: **CMP and BHE** will provide AMT02 values in Megawatts. A zero or greater value will be sent with 3 digits to the left of the decimal and 6 to the right.
MPS will send a value of zero in AMT02.

Data Element Summary

	Ref. Des. Attributes	Data Elements	Name		
M/U	AMT01	522	Amount Qualifier Code Code to qualify amount	M	ID 1/3
			KC Capacity Obligation – Load responsibility – Peak load contribution provided to the ISO for installed Capacity Obligations.		
M/U	AMT02	782	Monetary Amount Monetary amount ICAP TAG Value (Should never be blank. If the ICAP TAG application file is blank the default will be zero for this field, otherwise, it will either be zero or greater) (To determine if a zero in this field is the ICAP TAG or the default value refer to the REF*KC segment REF02 element description).	M	R 1/18

Segment: **AMT** Sales Tax Exempt
Position: 060
Loop: LIN
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Comments: Can be sent for 814-4 and 814-5.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	AMT01	522	Amount Qualifier Code	M	ID 1/3
			DP – Exemption		
			T – Tax (100%)		
M/U	AMT02	782	Monetary Amount	M	R 1/18
			Monetary Amount		
			1 – No sales tax (This code is used when the customer is either 100% taxable or 100% exempt)		

Segment: **NM1 Individual or Organization Name**
Position: 080
Loop: NM1
Level: Detail:
Usage: Must Use
Max Use: >1
Purpose: To supply the full name of an individual or organization entity
Comments: Used as a placeholder to start this NM1 loop. The NM101 code of MQ will be the default value, other codes will be sent if the information is available.
Utility Specific Comments Currently only MQ is used by CMP and MPS

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	NM101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			MQ – Meter / Service Identifier Location		
			MA – Meter / Service Add		
			MC – Meter Change (different type of meter)		
			MR – Meter / Service Remove		
			MX – Meter Exchange (same type of meter)		
M/U	NM102	1065	Entity Type Qualifier Code Qualifying the type of entity	M	ID 1/1
			3 – Unknown		

Segment: **REF** Type of Service Indicator
Position: 130
Loop: NM1
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments: In 814-1 , 814-10, 814-12 REF 02 must be an A.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			PRT – Product Type		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			A – Apply to All Services		
			C – Combined Service (Multiple Meters)		
			D – Metered Service Demand & kWh		
			E – Metered Service kWh		
			L – Lighting Service		
			N – Non-Metered Service		
			P – Pending Account		
			T – Metered Service TOU		
			NV – No Value if none available		

Segment: **REF** **Standard Point Location Code**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Must be used in 814-3, 814-4, and 814-5.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			SPL – Standard Point at which the customer is connected to the transmission grid (ISO-NE Zone). This represents the Wholesale Settlement Node		
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			This element is not used.		
M/U	REF03	352	Description A free form description to clarify the related data elements and their content.	X	AN 1/80
			ISO-NE Zone MAINE NEWHAMPSHIRE VERMONT CONNECTICUT RHODEISLAND SEMASS WCMASS NEMASSBOST		

Segment: **REF** **Read Cycle**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			65 - Total Order Cycle Number (Meter owner cycle number)		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Read Cycle (NV sent if no valid read cycle available)		
			Read Cycle Formats		
			CMP – Two digits		
			BHE – Three digits		
			MPS – Three digits		

Segment: **REF** **Sales Tax Indicator**
Position: 130
Loop: NM1
Level: Detail:
Usage: Conditional
Max Use: 1
Purpose: To specify identifying information
Comments: Optional for 814-1 Enroll Customer transaction
Optional for 814-3 Change Distribution Company Data Transaction
Mandatory for 814-4 Successful Enrollment transaction
Mandatory for 814-5 Customer Move transaction

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			TX – Tax Exempt Number		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Y – Sales Tax Applicable		
			N – No Sales Tax Applicable		
			M – Manufacturing Sales Tax Applicable		
			U – Unavailable		

Segment: **REF** **Current Service Identifier**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			MG – Meter Number		
			SC – Service Indicator		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			If REF01 contains MG, REF02 must contain a meter number.		
			If REF01 contains SC, REF02 must contain a ‘U’ and REF03 will contain a description of the unmetered rate plan.		
	REF03	352	Description A free form description to clarify the related data elements and their content.	X	AN 1/80
			Unmetered rate plan description		

Segment: **REF** **Old Service Identifier**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: CMP does not populate this field.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			46 – Old Meter Number		
			WF – Old Service Indicator		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			If REF01 contains 46, REF02 must contain the old meter number (if available).		
			If REF01 contains WF, REF02 must contain a ‘U’ and REF03 will contain a description of the old unmetered rate plan (if available).		
	REF03	352	Description A free form description to clarify the related data elements and their content.	X	AN 1/80
			Old Unmetered rate plan description		

Segment: **REF** **Supplier Rate Code**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional (Mandatory for consolidated billing)
Max Use: 1
Purpose: To specify identifying information
Comments: Mandatory for Consolidated Billing

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			RB – Rate Code Number		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Supplier Rate Code		

Segment: **REF** **Distribution Company Rate Code**
Position: 130
Loop: NM1
Level: Detail:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Mandatory for 814-3, 814-4, 814-5

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code Qualifying the Reference Identification	M	ID 2/3
			NH – Rate Card Number		
M/U	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the reference Identification Qualifier.	M	AN 1/30
			Distribution Company Rate Code (NV if not available)		

Segment: **SE Transaction Set Trailer**
Position: 150
Loop:
Level: Summary:
Usage: Must Use
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:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M	N0 1/10
			Translator will fill this field		
M/U	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
			Same as ST02		

Examples of 814 Transactions

814-1
CEP → T&D

- EXAMPLES:** 1) Enrollment for LDC Billing Option
2) Enrollment for DUAL Billing Option with Request
for Historical Usage Information

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
*000301*1519*U*00400*000000009*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*25*X*004010

1)

```
ST*814*0001
BGN*13*4000001*20000301
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SH*EL
ASI*7*021
REF*12*0222222222222222
REF*11*000002
REF*BLT*LDC
NM1*MQ*3
REF*PRT*A
REF*RB*RATE1
SE*13*0001
```

2)

```
ST*814*0002
BGN*13*4000002*20000301
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SH*EL*SH*HU
ASI*7*021
REF*12*0333333333333333
REF*11*000003
REF*BLT*DUAL
NM1*MQ*3
REF*PRT*A
SE*12*0002
```

GE*2*25
IEA*1*000000009

814-2

CEP → T&D

- EXAMPLES:**
- 1) CEP initiated change - Change Billing Option
 - 2) CEP initiated change - Change CEP Customer Account Number
 - 3) CEP initiated change - Change Supplier Rate

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
 *000301*1519*U*00400*000000010*0*P*~
 GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*26*X*004010

1)

ST*814*0001
 BGN*13*40000004*20000301
 N1*8S**1*T&D DUNS
 N1*SJ**9*CEP DUNS+4
 LIN*1*SH*EL
 ASI*7*001
 REF*12*02112222222222
 REF*11*000010
 REF*TD*REFBLT
 REF*BLT*LDC
 NM1*MQ*3
 REF*PRT*A
 REF*RB*RATE2
 SE*14*0001

2)

ST*814*0002
 BGN*13*40000005*20000301
 N1*8S**1*T&D DUNS
 N1*SJ**9*CEP DUNS+4
 LIN*1*SH*EL
 ASI*7*001
 REF*12*02112221112222
 REF*11*1000011
 REF*TD*REF11
 REF*45*0000001
 REF*BLT*LDC
 NM1*MQ*3
 REF*PRT*A
 REF*RB*RATE1
 SE*15*0002

3)

ST*814*0003
 BGN*13*40000006*20000301
 N1*8S**1*T&D DUNS
 N1*SJ**9*CEP DUNS+4
 LIN*1*SH*EL
 ASI*7*001
 REF*12*02112222222111
 REF*11*000012
 REF*TD*REFRB
 GE REF*BLT*LDC

Maine EBT Technical Specifications

```
NM1*MQ*3  
REF*PRT*A  
REF*RB*RATE4  
SE*14*0003
```

*3*26

IEA*1*00000001

814-3
T&D → CEP

- EXAMPLE:**
- 1) Change of customer's billing address
 - 2) Change Meter Read Cycle
 - 3) Change Payment Option (Budget or Summary)
 - 4) Change Distribution Company Rate
 - 5) Change of Customer ICAP Value
 - 6) Change of Customer ICAP Value - No ICAP TAG

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000301^1840^U^00400^000000022^0^P^|
 GS^GE^SENDER GROUP ID^REC GROUP ID^20000301^1840^13^X^004010

1)

```
ST^814^0001
BGN^13^1999101915104250 XNT100000020^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^Street Address Box #
N4^ANYTIME^ME^043300000^USA
LIN^1^SV^EL
ASI^7^001
REF^12^0221133112222
REF^11^4007
REF^TD^N1BT
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
SE^16^0001
```

2)

```
ST^814^0002
BGN^13^1999101915104250 XNT100000080^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL
ASI^7^001
REF^12^02310222730122
REF^11^4135
REF^TD^REF65
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^T
REF^SPL^^MAINE
REF^65^02
SE^14^0002
```

3)

```
ST^814^0003
BGN^13^1999101915104250 XNT100000110^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL^SV^BB
ASI^7^001
REF^12^02310002223012
```

Maine EBT Technical Specifications

REF^11^4141
REF^TD^REF9V
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^T
REF^SPL^^MAINE
SE^13^0003

4)

ST^814^0004
BGN^13^1999101915104250 XNT100000180^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL
ASI^7^001
REF^12^05540086881013
REF^11^4099
REF^TD^REFNH
REF^BLT^LDC
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
REF^RB^RATES
SE^14^0004

5)

ST^814^0002
BGN^13^2006042815104250 XNT100000080^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL
ASI^7^001
REF^12^02310222730122
REF^11^4135
REF^TD^AMTKC
REF^BLT^DUAL
DTM^007^20060601
AMT^KC^001.333000
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
SE^14^0002

6)

ST^814^0002
BGN^13^2006042815104250 XNT100000080^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL
ASI^7^001
REF^12^02310222730122
REF^11^4135
REF^TD^AMTKC
REF^KC^NO ICAP TAG
REF^BLT^DUAL
AMT^KC^000.000000

Maine EBT Technical Specifications

```
NM1^MQ^3  
REF^PRT^E  
REF^SPL^^MAINE  
SE^14^0002
```

```
GE^1^13  
IEA^1^000000022
```

814-4

T&D → CEP

- Examples:**
- 1) Successful Enrollment Response one meter for LDC billing
 - 2) Successful Enrollment Response one meter/two area lights for two rate plans for DUAL billing (manufacturing tax)
 - 3) Successful Enrollment Response one meter for LDC billing - NO ICAP TAG
 - 4) Successful Enrollment Response one meter/two area lights for two rate plans for DUAL billing (manufacturing tax)- With ICAP TAG

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000301^1535^U^00400^00000014^0^P^|
 GS^GE^SENDER GROUP ID^REC GROUP ID^20000301^1535^5^X^004010

1)

```

ST^814^0001
BGN^06^19991108814000012^20000301^^^19991108814000012
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^RR 1 BOX 655
N4^ANYTIME^ME^043300000^USA
LIN^1^SV^EL
ASI^WQ^021
REF^12^02112222222222
REF^11^0000201
REF^BLT^LDC
REF^7G^A13^100
DTM^186^20000324
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
REF^65^16
REF^TX^N
REF^MG^SA80004101
REF^RB^RATE2
REF^NH^100
SE^22^0001
    
```

2)

```

ST^814^0002
BGN^06^19991108814000013^20000301^^^19991108814000013
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^PO BOX 8
N4^ANYTIME^ME^042650000^USA
LIN^1^SV^EL
ASI^WQ^021
REF^12^0211811111111111
REF^11^000666
REF^BLT^DUAL
REF^7G^A13^100
DTM^186^20000312
NM1^MQ^3
    
```

Maine EBT Technical Specifications

REF^PRT^T
REF^65^09
REF^TX^M
REF^MG^GE80010101
REF^NH^470
NM1^MQ^3
REF^PRT^L
REF^SPL^^MAINE
REF^65^09
REF^TX^M
REF^NH^209
REF^SC^U^AL-MERCURY OPEN 175 WATT
NM1^MQ^3
REF^PRT^L
REF^SPL^^MAINE
REF^65^09
REF^TX^M
REF^NH^236
REF^SC^U^AL-SODIUM ENCLOSED 100 WATT
SE^33^0002

GE^2^5
IEA^1^000000014

3)

ST^814^0001
BGN^06^19991108814000012^20000301^^^19991108814000012
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^RR 1 BOX 655
N4^ANYTIME^ME^043300000^USA
LIN^1^SV^EL
ASI^WQ^021
REF^12^0211222222222222
REF^11^0000201
REF^BLT^LDC
REF^KC^NO ICAP TAG
REF^7G^A13^100
DTM^186^20000324
AMT^KC^000.000000
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
REF^65^16
REF^TX^N
REF^MG^SA80004101
REF^RB^RATE2
REF^NH^100
SE^22^0001

4)

ST^814^0002
BGN^06^19991108814000013^20000301^^^19991108814000013
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^PO BOX 8

Maine EBT Technical Specifications

```
N4^ANYTIME^ME^042650000^USA
LIN^1^SV^EL
ASI^WQ^021
REF^12^021181111111111
REF^11^000666
REF^BLT^DUAL
REF^7G^A13^100
DTM^186^20000312
AMT^KC^008.653000
NM1^MQ^3
REF^PRT^T
REF^65^09
REF^TX^M
REF^MG^GE80010101
REF^NH^470
NM1^MQ^3
REF^PRT^L
REF^SPL^^MAINE
REF^65^09
REF^TX^M
REF^NH^209
REF^SC^U^AL-MERCURY OPEN 175 WATT
NM1^MQ^3
REF^PRT^L
REF^SPL^^MAINE
REF^65^09
REF^TX^M
REF^NH^236
REF^SC^U^AL-SODIUM ENCLOSED 100 WATT
SE^33^0002
GE^2^5
IEA^1^000000014
```


814-5

T&D → CEP

Example: 1) Customer Moved and chose to stay with current CEP.
(seamless move transaction)

2) Customer moved and chose to stay with current CEP. -
Valid ICAP TAG is for the new account number

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
^000301^1634^U^00400^000000013^0^P^|
GS^GE^SENDER GROUP ID^REC GROUP ID^20000301^1634^4^X^004010

1)

```
ST^814^0001
BGN^14^1999110508513338 XNT100000010^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^NEW ADDRESS - MOVED
N4^ANYTOWN^ME^043450000^USA
LIN^1^SV^EL
ASI^27^025
REF^12^02121212121212
REF^11^005555
REF^BLT^LDC
REF^45^02118003015013
DTM^186^20000330
NM1^MQ^3
REF^PRT^E
REF^SPL^^MAINE
REF^65^04
REF^MG^WH80030101
REF^RB^RATE2
REF^NH^002
SE^21^0001
```

GE^1^4
IEA^1^000000013

2)

```
ST^814^0001
BGN^14^1999110508513338 XNT100000010^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^NEW ADDRESS - MOVED
N4^ANYTOWN^ME^043450000^USA
LIN^1^SV^EL
ASI^27^025
REF^12^02121212121212
REF^11^005555
REF^BLT^LDC
REF^45^02118003015013
DTM^186^20000330
AMT^KC^000.000000
NM1^MQ^3
```

Maine EBT Technical Specifications

```
REF^PRT^E  
REF^SPL^^MAINE  
REF^65^04  
REF^MG^WH80030101  
REF^RB^RATE2  
REF^NH^002  
SE^21^0001
```

```
GE^1^4  
IEA^1^000000013
```

814-6

T&D —→ **CEP**

CEP —→ **T&D**

- Examples:**
- 1) Error response to CEP for unsuccessful enrollment
(Invalid T&D Customer Account Number)
 - 2) Error response to T&D for invalid CEP account number
in an 814 transaction

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
*000301*1519*U*00400*000000009*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*25*X*004010

1)

```
ST*814*0001
BGN*11*21111111111*20000215***21111111111
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SH*EL
ASI*U*021
REF*12*02318004217001
REF*7G*A13*103
NM1*MQ*3
REF*PRT*A
SE*11*0001
```

2)

```
ST*814*0002
BGN*11*SYS TST FILE 6A TXN 2*20000215***SYS TST FILE 6A TXN 2
N1*8S**1*006948954
N1*SJ**9*030717453SYST
LIN*1*SH*EL
ASI*U*021
REF*12*05148001413011
REF*7G*A13*102
NM1*MQ*3
REF*PRT*A
SE*11*0002
```

GE*2*25
IEA*1*000000009

814-7

T&D → CEP

- Example:** 1) Customer Drops Supplier on cycle
 2) Customer Drops Supplier off cycle

```
ISA^00^          ^00^          ^ZZ^SENDER ID      ^ZZ^RECEIVER ID
^000301^1634^U^00400^000000013^0^P^|
GS^GE^SENDER GROUP ID^REC GROUP ID^20000301^1634^4^X^004010
```

1)

```
ST^814^0001
BGN^06^1999110508513338XNT100000020^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^CUSTOMER ADDRESS
N4^ANYTIME^ME^043300000
LIN^1^SV^EL
ASI^7^024
REF^12^055555555555555
REF^BLT^LDC
DTM^007^20000415
NM1^MQ^3
REF^PRT^E
REF^65^03
REF^MG^GE80034101
REF^RB^RATE5
REF^NH^003
SE^20^0001
```

2)

```
ST^814^0002
BGN^06^1999110508513338XNT100000028^20000301
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^CUSTOMER ADDRESS
N4^ANYTIME^ME^043300000
LIN^1^SV^EL
ASI^7^024
REF^12^055555555444444
REF^11^000015
REF^BLT^LDC
DTM^MRR^20000315
NM1^MQ^3
REF^PRT^E
REF^65^07
REF^MG^GE4110101
REF^RB^RATE3
REF^NH^003
SE^20^0002
```

```
GE^2^4
IEA^1^000000013
```

814-8

CEP → T&D

- Example:**
- 1) Supplier drops customer off cycle with requested read date
 - 2) Supplier drops customer on cycle. No date sent to T&D.

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
*000301*1519*U*00400*000000010*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*26*X*004010

1)

ST*814*0001
BGN*13*20000301851333378000020*20000301
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SH*EL
ASI*7*024
REF*12*054444444446666
REF*11*110011
REF*BLT*LDC
DTM*MRR*20000325
NM1*MQ*3
REF*PRT*A
REF*RB*RATE2
SE*14*0001

2)

ST*814*0002
BGN*13*20000301851333388000030*20000301
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SH*EL
ASI*7*024
REF*12*054444444445555
REF*11*120011
REF*BLT*LDC
NM1*MQ*3
REF*PRT*A
REF*RB*RATE2
SE*13*0002

GE*2*26
IEA*1*000000010

814-9
T&D → CEP

- Examples:** 1) T&D sends successful drop transaction for off cycle drop.
2) T&D sends successful drop transaction for on cycle drop.

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
^000301^1150^U^00400^000000023^0^P^|
GS^GE^SENDER GROUP ID^RECEIVER GROUP ID^20000301^1150^14^X^004010
1)

ST^814^0001
BGN^06^20000308513333780000020^20000301^^^20000308513333780000020
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^EL
ASI^V^024
REF^12^054444444446666
REF^11^110011
REF^BLT^LDC
REF^7G^A13^100
DTM^007^20000325
NM1^MQ^3REF^PRT^EREF^65^20
REF^MG^GE52141750
REF^NH^RATE2
SE^17^0001

ST^814^0002
BGN^06^2000030185133338800000030^20000301^^^2000030185133338800000030
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN^1^SV^ELASI^V^024
REF^12^054444444445555REF^11^120011
REF^BLT^LDC
REF^7G^A13^100
DTM^007^20000413
NM1^MQ^3
REF^PRT^E
REF^65^07
REF^MG^GE78476603
REF^NH^RATE2
SE^17^0002

GE^2^14
IEA^1^000000023

814-10
CEP → T&D

EXAMPLE: 1) Request for Historical Usage Date

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
000301*1519*U*00400*000000010*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*26*X*004010

1)

ST*814*0001 BGN*13*4000003*20000301 N1*8S**1*T&D DUNS N1*SJ**9*CEP DUNS+4 LIN*1*SH*EL*SH*HU ASI*7*066 REF*12*022222222222 REF*11*110011 NM1*MQ*3 REF*PRT*A SE*10*0001

GE*1*26
IEA*1*000000010

814-11

T&D → CEP

- EXAMPLES:**
- 1) CEP initiated change; Billing Option
 - 2) CEP initiated change; CEP Customer Account Number
 - 3) CEP initiated change; CEP Rate

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
 *000301*1519*U*00400*00000010*0*P*~
 GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*26*X*004010

1)

```
ST*814*0001
BGN*06*40000005*20010918***40000005
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SV*EL
ASI*V*001
REF*12*02112222222222
REF*11*000010
REF*TD*REFBLT
REF*BLT*LDCNM1*MQ*3
REF*PRT*A
REF*RB*RATE2
SE*14*0001
```

2)

```
ST*814*0002
BGN*06*40000005*20010918***40000005
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SV*EL
ASI*V*001
REF*12*02112221112222
REF*11*1000011
REF*TD*REF11
REF*45*0000001
REF*BLT*LDC
NM1*MQ*3
REF*PRT*A
REF*RB*RATE1
SE*15*0002
```

3)

```
ST*814*0003
BGN*06*40000005*20010918***40000005
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SV*EL
ASI*V*001
REF*12*02112222222111
REF*11*000012
REF*TD*REFRB
GE REF*BLT*LDC
NM1*MQ*3
REF*PRT*A
REF*RB*RATE4
SE*14*0003
```

*3*26

Maine EBT Technical Specifications

IEA*1*00000001

814-11
CEP → T&D

- EXAMPLE:**
- 1) T&D initiated change; customer's billing address
 - 2) T&D initiated change; Meter Read Cycle
 - 3) T&D initiated change; Payment Option (Budget or Summary)
 - 4) T&D initiated change; Distribution Company Rate

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000301^1840^U^00400^000000022^0^P^|
 GS^GE^SENDER GROUP ID^REC GROUP ID^20000301^1840^13^X^004010

1)

```

ST^814^0001
BGN^06^1999101915104250  XNT100000020^20000301***1999101915104250
XNT100000020
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
N1^BT^NV
N3^Street Address Box #
N4^ANYTIME^ME^043300000^USA
LIN*1*SV*EL
ASI*V*001
REF^12^0221133112222
REF^11^4007
REF^TD^N1BT
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^E
SE^16^0001
    
```

2)

```

ST^814^0002
BGN^06^1999101915104250  XNT100000080^20000301^^^1999101915104250
XNT100000080
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN*1*SV*EL
ASI*V*001
REF^12^02310222730122
REF^11^4135
REF^TD^REF65
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^T
REF^65^02
SE^14^0002
    
```

3)

```

ST^814^0003
BGN^06^1999101915104250  XNT100000110^20000301^^^1999101915104250
XNT100000110
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN*1*SV*EL^SV^BB
ASI*V*001
REF^12^02310002223012
REF^11^4141
    
```

Maine EBT Technical Specifications

REF^TD^**REF9V**
REF^BLT^DUAL
NM1^MQ^3
REF^PRT^T
REF^MG^GE84643399
SE^14^0003

4)

ST^814^0004
BGN^06^1999101915104250 XNT100000180^20000301^^^1999101915104250
XNT100000180
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
LIN*1***SV***EL
ASI***V*001**
REF^12^05540086881013
REF^11^4099
REF^TD^**REFNH**
REF^BLT^LDC
NM1^MQ^3
REF^PRT^E
REF^RB^**RATE5**
SE^14^0004

GE^4^13
IEA^1^000000022

814-12
CEP T&D→

EXAMPLE: 1) CEP initiates Cancel Pending Drop

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
*000301*1519*U*00400*000000010*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*26*X*004010

1)

ST*814*0001 BGN*13*40000125*20040918 N1*8S**1*T&D DUNS N1*SJ**9*CEP DUNS+4 LIN*1*SH*EL ASI*7*026 REF*12*02112222222222 REF*11*000010 NM1^MQ^3 REF*PRT*A SE*09*0001
--

GE*1*26
IEA*1*000000010

814-13

T&D CEP➔

EXAMPLE: 1) T&D initiates Successful Cancellation of Drop

```
ISA*00*          *00*          *ZZ*SENDER ID      *ZZ*RECEIVER ID
*000301*1519*U*00400*000000011*0*P*~
GS*GE*SENDER GROUP ID*REC GROUP ID*20000301*1519*27*X*004010
```

1)

```
ST*814*0001
BGN*11*4000125*20040918***40000125
N1*8S**1*T&D DUNS
N1*SJ**9*CEP DUNS+4
LIN*1*SV*EL
ASI*WQ*026
REF*12*0211222222222222
REF*11*000010
NM1^MQ^3
REF*PRT*A
SE*09*0001
GE*1*27
IEA*1*000000011
```

820 Payment Order/ Remittance Advice

Ver/Rel 004010

Functional Group ID=**RA**

Introduction:

This transaction set contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set will be used to send a remittance advice. The remittance advice will go directly from the Distribution Company to the Competitive Energy Provider.

Business Function & Examples:

Customer Payments/Payments Corrections (820-1)
Examples are included at the end of the transaction.

Transaction Notes:

This transaction will only be used for Consolidated Billing option. This transaction is one to many, meaning one to many account payments or payment corrections for one supplier. One suppliers equates to one duns plus four number and will receive a separate 820 for each duns plus four. Each RMR segment will contain information for one account. This transaction is not used for Standard Offer Providers.

Document Specific Best Practices:

Values in Element BPR02

The amount shown in BPR02 is the algebraic sum of all of the RMR04 amounts. The rules of the Automated Clearing House (ACH) system mandate that the BPR02 amount must always be positive. If the originator intends for this transaction to be routed via the ACH network, the amount in BPR02 should be validated.

Use of the RMR Segment on a Non Cash or payment Correction:

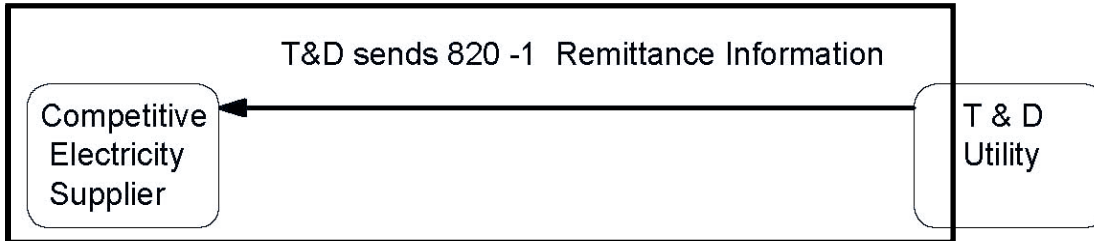
Remittance advice information for an account is contained in the RMR segment. If there are multiple receivable types on the account, there may be multiple RMRs to the same account. If the net cash effect of a payment correction is zero, there may be multiple RMRs for the same account that net to zero. The rules for the values in BPR02 stated above are always followed.

Use of Element RMR08

RMR08 is used to apply an adjustment. This amount must be signed if negative. The amount in RMR04 will always be the same as the amount in RMR08. The adjustment amount is only populated if there is an adjustment made to an account.

Transaction Data Flows

**820-1 Payments & Payment Corrections
(T&D Consolidated Billing Option Only)**



TRANSACTION LAYOUT:

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPR	Payment Order/Remittance Advice	M	1		
Must Use	050	REF	Tracking Number	O	1		
Must Use	060	DTM	File Creation Date	O	1		
			LOOP ID - N1			1	
Must Use	070	N1	Distribution Company Name	O	1		
			LOOP ID - N1			1	
Must Use	070	N1	Supplier Company Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
			LOOP ID – ENT			>1	
Must Use	010	ENT	Entity	O	1		
			LOOP ID – RMR			>1	
Must Use	150	RMR	Accounts Receivable Open Item Reference	O	1		
Must Use	170	REF	Supplier Account Number	O	1		
Must Use	180	DTM	Posting Date	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	010	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments:

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
			820 Payment/ Remittance Order	
M/U	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
			Unique number assigned by Sender's Translator	

820 PAYMENT AND PAYMENT CORRECTIONS ADMINISTRATIVE LIST OF FIELDS

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Total Amount Due Supplier	M/U	11	A/N	BPR/020		I	BPR02
ACH Settlement Date	OP	8	DATE			ACH	BPR16
Unique Tracking Number	M/U	30	A/N	REF/050		TN	REF02
File Creation Date	M/U	8	DATE	DTM/060		097	DTM02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BPR/020		I	BPR01
Item Identification (loop counter)	M/U	6	N0	ENT/010	ENT		ENT01
Distribution Co account number	M/U	20	A/N	RMR/150	RMR	12	RMR02
Payment Code	M/U	2	A/N	RMR/150	RMR		RMR03
Correction / Adjustment Code							RMR03
Payment Amount	M/U	11	A/N	RMR/150	RMR	PO	RMR04
Adjustment Amount						AJ	RMR08
Adjustment Reason Code	OP	2	A/N	RMR/150	RMR		RMR07
Supplier account number	M/U	20	A/N	REF/170	RMR	11	REF02
Payment/Adjustment Posting Date	M/U	8	DATE	DTM/180	RMR	809	DTM02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

820-1 PAYMENT AND PAYMENT CORRECTIONS LIST OF FIELDS

Remittance Advice from Distribution Company to Suppliers

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Total Amount Due Supplier	M/U	11	A/N	BPR/020		I	BPR02
ACH Settlement Date	OP	8	DATE			ACH	BPR16
Unique Tracking Number	M/U	30	A/N	REF/050		TN	REF02
File Creation Date	M/U	8	DATE	DTM/060		097	DTM02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/070	N1	1	N0104
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/070	N1	9	N104
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BPR/020		I	BPR01
Item Identification (loop counter)	M/U	6	N0	ENT/010	ENT		ENT01
Distribution Co account number	M/U	20	A/N	RMR/150	RMR	12	RMR02
Payment Code Corrections / Adjustment Code	M/U	2	A/N	RMR/150	RMR		RMR03 RMR03
Payment Amount Correction / Adjustment Amount	M/U	11	N2	RMR/150	RMR	PO AJ	RMR04 RMR08
Adjustment Reason Code	OP	2	A/N	RMR/150	RMR		RMR07
Supplier account number	M/U	20	A/N	REF/170	RMR	11	RMR02
Payment/Adjustment Posting Date	M/U	8	DATE	DTM/180	RMR	809	DTM02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

Segment: **BPR** Payment Order/Remittance Advice
Position: 020
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	BPR01	305	Transaction Handling Code	M	ID 1/2
			Code designating the action to be taken by all parties		
			I Remittance Information Only		
M/U	BPR02	782	Monetary Amount	M	R 1/18
			Monetary amount		
			Must always be a positive amount		
M/U	BPR03	478	Credit/Debit Flag Code	M	ID 1/1
			Code indicating whether amount is a credit or debit		
			C Credit (use C when \$ is due to the Supplier)		
			D Debit (use D when \$ is due to the T&D)		
M/U	BPR04	591	Payment Method Code	M	ID 3/3
			Code identifying the method for the movement of payment instructions		
			ACH Automated Clearing House		
			FEW Federal Reserve Fund/Wire Transfer - Repetitive		
	BPR16	373	Date	O	DT 8/8
			Date (CCYYMMDD)		
			Payer's intended settlement date		

Segment: **DTM** File Creation Date
Position: 060
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To specify pertinent dates and times
Comments: Maine will use DTM02.

Data Element Summary

	Ref. Des.	Data Elements	Name		
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			097 Transaction Creation		
M/ U	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
			Use of DTM02 allows translator to validate the date		
	DTM03	377	Time	X	TM 4/8
			Time expressed in 24 hour clock time.		

Segment: **N1** **Distribution Company Name**
Position: 070
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments:
Utility Specific
Comments: BHE will not be passing Name in N102

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
	N102	93	<u>8S Consumer Service Provider (Distribution Company)</u> Name Free-form 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)	X ID 1/2
M/U	N104	67	Identification Code Code identifying a party or other code	X AN 2/80
			1 D-U-N-S Number, Dun & Bradstreet Distribution Company Dun & Bradstreet Number	

Segment: **ENT** Entity
Position: 010
Loop: ENT
Level: Detail
Usage: Must Use
Max Use: >1
Purpose: Place Holder
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ENT01	554	Assigned Number	O	N0 1/6
			Number assigned for differentiation within a transaction set Counter for the number of ENT segments. (First ENT will be 1, second ENT will be 2, etc...)		

Segment: **RMR** **Accounts Receivable Open Item Reference**

Position: 150

Loop: RMR

Level: Detail

Usage: Must Use

Max Use: 1

Purpose: To specify the payment or payment correction amount at a customer account level detail.

Comments:

1. BPR02 contains the algebraic sum of all RMR04s.
2. If the algebraic sum calculated for BPR02 contains a negative value, BPR03 will contain 'D.' Otherwise, BPR03 will contain 'C.'

Utility Specific

comments: BHE is unable to generate RMR and RMR08, the value of RMR03 will always be PO and the value in RMR04 will be signed if negative.

Data Element Summary

	Ref. Des.	Data Attributes	Name	
M/U	RMR01	128	Reference Identification Qualifier	ID 2/3
			Code qualifying the Reference Identification	
			12 Account Number	
M/U	RMR02	127	Reference Identification	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Distribution Company Account Number	
M/U	RMR03	482	Payment Action Code	ID 2/2
			Code specifying the accounts receivable open item(s), if any, to be included in the cash application.	
			AJ Adjustment (Payment Correction)	
			PO Payment on Account	
M/U	RMR04	782	Monetary Amount	R 1/18
			Monetary amount	
			Amount paid on account	
	RMR07	426	Adjustment Reason Code	ID 2/2
			Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment	
			D1 TRANSFER BETWEEN ACCOUNTS	
			IF NSF CHECK (non sufficient funds)	
			FI ARREARS INTEREST/LATE INTEREST PAID	
			55 SALES TAX/TAX DEDUCTED	
			CS PAYMENT CORRECTION	
			BD SUPPLIER WRITE-OFF/BAD DEBT ADJUSTMENT	
			CQ REDUCE BALANCE AT REQUEST OF SUPPLIER	
			74 CANCEL OR ADJUST PRIOR CR/DB (NO CONSUMPTION BASED ADJUSTMENT)	
	RMR08	782	Monetary Amount	R 1/18
			Monetary Adjustment Amount	

Maine EBT Technical Specifications

RMR08 is used to apply an adjustment. This amount must be signed if negative. The amount in RMR04 will always be the same as the amount in RMR08. The adjustment amount is only populated if there is an adjustment made to an account.

Segment: **REF** **Supplier Account**
Position: 170
Loop: RMR
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
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		
			Supplier Account Number		

Segment: **DTM** Posting Date
Position: 180
Loop: RMR
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To specify pertinent dates and times
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			809 Posted		
M/U	DTM02	373	Date	X	DT 8/8
			Code indicating the date format, time format, or date and time format		
			Use of DTM02 allows translator to validate the date.		
	DTM03	377	Time	X	DM 4/8
			Time expressed in 24 hour clock time.		

Segment: **SE** **Transaction Set Trailer**
Position: 010
Loop:
Level: Summary
Usage: Must Use
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: SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	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/U	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	

820 Transaction Set Examples

**820
T&D → CEP**

Example: 1) Remittance Advice including 13 customer payments and 1 payment correction.

ISA^00^ ^00^ ^ZZ^SENDER ID ^ZZ^RECEIVER ID
 ^000407^1326^U^00400^000001034^0^P^|GS^RA^SENDER GROUP ID^RECEIVER
 GROUP ID^20000407^1326^14^X^004010

1)

```

ST^820^0001
BPR^I^11925.37^C^ACH^^^^^^^^^^^^^^20000412
REF^TN^2000040600553593CSS21300000010
DTM^097^20000406
N1^8S^^1^T&D DUNS
N1^SJ^^9^CEP DUNS+4
ENT^1
RMR^12^022111111119012^PO^154.82
REF^11^100243
DTM^809^20000405
ENT^2
RMR^12^02220109077015^AJ^-155.1^^^CS^-155.1
REF^11^100249
DTM^809^20000405
ENT^3
RMR^12^02250207534001^PO^180.83
REF^11^100251
DTM^809^20000405
ENT^4
RMR^12^04410104381015^PO^289.83
REF^11^100394
DTM^809^20000405
ENT^5
RMR^12^04410264859011^PO^398.52
REF^11^100395
DTM^809^20000405
ENT^6
RMR^12^04411119182011^PO^185.13
REF^11^100263
DTM^809^20000405
ENT^7
RMR^12^04411360152013^PO^168.63
REF^11^100266
DTM^809^20000405
ENT^8
RMR^12^04430342795002^PO^250.11
REF^11^100396
DTM^809^20000405
ENT^9
RMR^12^05140279645013^PO^75.19
    
```

Maine EBT Technical Specifications

```
REF^11^100397
DTM^809^20000405
ENT^10
RMR^12^05240041042011^PO^123.39
REF^11^100275
DTM^809^20000405
ENT^11
RMR^12^05510004707014^PO^237.24
REF^11^100398
DTM^809^20000405
ENT^12
RMR^12^05510390314014^PO^540.2
REF^11^100399
DTM^809^20000405
ENT^13
RMR^12^05511047314012^PO^9328.84
REF^11^100045
DTM^809^20000405
ENT^14
RMR^12^05540381257001^PO^147.74
REF^11^100297
DTM^809^20000405
SE^63^0001
GE^1^14
IEA^1^000001034
```

824 Application Advice

Ver/Rel 004010

Functional Group ID=**AG**

Introduction:

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. It is designed to accommodate the Competitive Energy Supplier for the business need of reporting errors back to the Distribution Company. 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).

Business Function & Examples:

An Error Response (824-1) from the Competitive Energy Supplier is for non-814 Transactions. This transaction will **not** be used for successful or positive responses. Examples are included at the end of the transaction.

Transaction Set Notes:

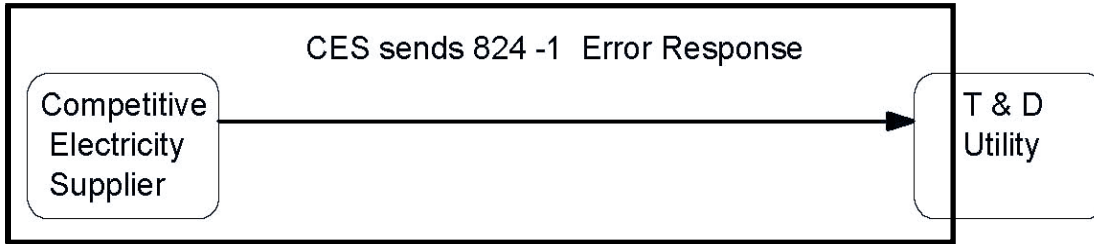
1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.

Transaction Best Practices:

This transaction is used for the Competitive Energy Supplier to send back to the Distribution Company the error to a non-814 transaction set. One 824 is to be used for each error.

Transaction Data Flows

824 Transactions – Response



Transaction Layout:

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
			LOOP ID – N1			1	
Must Use	030	N1	Supplier Company Name	M	1		
Must Use	070	REF	Supplier Account Number	M	1		
			LOOP ID – N1			1	
Must Use	030	N1	Distribution Company Name	M	1		
Must Use	070	REF	Distribution Account Number	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
			LOOP ID – OTI			1	
Must Use	010	OTI	Original Transaction Identification	M	1		1
Must Use	030	DTM	Original Transaction Date	M	1		
			LOOP ID – TED			1	
Must Use	070	TED	Technical Error Description	M	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	090	SE	Transaction Set Trailer	M	1		

824 RESPONSE FOR NON 814 TRANSACTIONS ADMINISTRATIVE LIST OF FIELDS

<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>EBT</u>		<u>EDI IMPLEMENTATION GUIDELINES</u>			
		<u>SIZE</u>	<u>TYPE</u>	<u>SEGMT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/030	N1	9	N104
Supplier account number	M/U	20	A/N	REF/070	N1	11	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/030	N1	1	N104
Distribution Co account number	M/U	20	A/N	REF/070	N1	12	REF02
File Creation Date	M/U	8	DATE	BGN/020			BGN03
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020		11	BGN01
Unique Transaction Identifier from the Original Transaction	M/U	30	A/N	OTI/010	OTI	TN	OTI03
Transaction Set Identifier (810, 820, 867)	M/U	3	A/N	OTI/010	OTI		OTI10
Original Transaction Date	M/U	8	DATE	DTM/030	OTI	703	DTM02
Error Description Code	M/U	3	A/N	TED/070	TED		TED02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

824-1 RESPONSE FOR NON 814 TRANSACTIONS ADMINISTRATIVE LIST OF FIELDS

From Supplier to Distribution Company

<u>HEADING DESCRIPTION</u>	<u>USE</u>	<u>EBT</u>		<u>EDI IMPLEMENTATION GUIDELINES</u>			
		<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BGN/020			BGN02
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/030	N1	9	N104
Supplier account number	M/U	20	A/N	REF/070	N1	11	REF02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/030	N1	1	N104
Distribution Co account number	M/U	20	A/N	REF/070	N1	12	REF02
File Creation Date	M/U	8	DATE	BGN/020			BGN03
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BGN/020		11	BGN01
Unique Transaction Identifier from The Original Transaction	M/U	30	A/N	OTI/010	OTI	TN	OTI03
Transaction Set Identifier (810, 820, 867)	M/U	3	A/N	OTI/010	OTI		OTI10
Original Transaction Date	M/U	8	DATE	DTM/030	OTI	703	DTM02
Error Description Code	M/U	3	A/N	TED/070	TED		TED02

LEGEND

M/U = Must Use OP = Optional
 DATE = CCYYMMDD A/N = Alphanumeric

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			824 Application Advice		
M/U	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		
			Unique number assigned by Sender's Translator		

Segment: **BGN** Beginning Segment
Position: 020
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Comments:

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	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	M ID 2/2
M/U	BGN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique tracking identification number assigned by the originator of this transaction.	M AN 1/30
M/U	BGN03	373	Date Date expressed as CCYYMMDD File creation date	M DT 8/8

Segment: **N1 Supplier Company Name**
Position: 030
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			SJ Supplier Identifier		
	N102	93	Name Free-form name	X	AN 1/60
			Supplier Name		
M/U	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
			9 DUNS+4, DUNS Number with Four Character Suffix		
<u>M/U</u>	N104	67	Identification Code Code Identifying a party or other code	X	AN 2/80
			Supplier DUNS number plus four		

Segment: **REF** Supplier Account Number
Position: 070
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			Energy Service Provider-assigned account number for the end use customer		
<u>M/U</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		
			Supplier Account Number for end use customer		

Segment: **N1 Distribution Company Name**
Position: 030
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Comments: To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			8S Distribution Company		
	N102	93	Name Free-form name	X	AN 1/60
			Distribution Company Name		
<u>M/U</u>	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
			1 DUNS Number		
<u>M/U</u>	N104	67	Identification Code Code Identifying a party or other code	X	AN 2/80
			Distribution Company DUNS number		

Segment: **REF** **Distribution Company Account Number**
Position: 070
Loop: N1
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
			Distribution Company assigned account number for the end use customer		
<u>M/U</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		
			Distribution Company Account Number		

Segment: **OTI** Original Transaction Identification
Position: 010
Loop: OTI
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To identify the error within the transaction set and at which level the results of the error are reported.
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	OTI01	110	Application Acknowledgment Code	M	ID 1/2
			Code indicating the application system edit results of the business data		
			TR Transaction Set Reject		
M/U	OTI02	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			TN Transaction Reference Number		
M/U	OTI03	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Unique tracking number (from original transaction)		
<u>M/U</u>	OTI10	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.		
			810 Usage/Billing		
			820 Payment / Remittance Advice		
			867 Customer Usage History		

Segment: **DTM** **Date/Time Reference**
Position: 030
Loop: OTI
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To identify the date of the original file.
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date and time, or both date and time.		
			703 Original Transaction Date		
<u>M/U</u>	DTM02	373	Date	X	DT 8/8
			Date Expressed in Format CCYYMMDD		

Segment: **TED** **Technical Error Description**

Position: 070

Loop: TED

Level: Detail

Usage: Must Use

Max Use: 1

Purpose: To identify the error and, if feasible, the erroneous segment, or data element, or both

Comments: Mandatory use for Error transaction 824-1
 Maximum of 10 codes - 3 digits each
 For the 824-1, in TED02 the 1st character of code is always 2, 3, or 4. TED02 will describe the error back to the Distribution Company.
 Invalid codes also refer to missing codes.

Data Element Summary

	Ref. Des.	Data Elements	Name		
M /U	TED01	647	Application Error Condition Code	M	ID 1/3
			Code indicating application error condition		
			848 Incorrect Data		
M/ U	TED02	3	Free Form Message	O	AN 1/60
			Free-form text		

1st character of Code

- 2 Usage & Billing Format (810)
- 3 Payments & Adjustments Format (820)
- 4 Historical Usage (867)

2nd & 3rd character of Code

- 00 Successful Transaction
- 01 Invalid Detail Record Indicator
- 02 Invalid Supplier Account Number
- 03 Invalid Distribution Company Account Number
- 04 Invalid Distribution Company Customer Name
- 05 Invalid Code Identifying Function of Record
- 06 Invalid Effective Date of Service & Load Request
- 07 Invalid Billing Option
- 08 Invalid Disco Rate Code
- 09 Invalid Supplier Rate Code
- 10 Invalid Supplier Pricing Structure
- 11 Invalid Type of Service Indicator
- 12 Invalid Service Identifier
- 13 Invalid Billing Cycle
- 14 Invalid Sales Tax Indicator
- 19 Invalid Activity Code
- 20 Invalid Current Read Date
- 21 Invalid Previous Read Date
- 22 Invalid Primary Metering Indicator

- 23 Invalid Peak or Total kWh Usage
- 24 Invalid Peak or Total kW Demand
- 25 Invalid Peak KVAR
- 26 Invalid Off Peak kWh
- 27 Invalid Off Peak Demand
- 28 Invalid Off Peak KVAR
- 29 Invalid Shoulder kWh Usage
- 30 Invalid Shoulder Demand
- 31 Invalid Shoulder KVAR
- 32 Invalid Demand Used by DISCO for Billing
- 33 Invalid Number of Non-Metered Units
- 34 Invalid Billing Date
- 35 Invalid Current Amount
- 36 Invalid Current Peak Amount
- 37 Invalid Current Off Peak Amount
- 38 Invalid Current Shoulder Amount
- 39 Invalid Current Demand Charges
- 40 Invalid Current Customer Charge
- 41 Invalid Current Sales Tax Amount
- 42 Invalid Arrears Interest
- 43 Invalid Supplier Arrears
- 44 Invalid Total Amount Due Supplier
- 45 Invalid Payment/Adjustment Posting Date
- 46 Invalid Payment/Adjustment Amount
- 47 Invalid Load Date
- 48 Invalid Supplier Hourly Loads (Total)
- 49 Invalid Supplier Hourly Loads (Estimated)
- 50 Invalid Supplier Hourly Loads (Telemetered)
- 51 Invalid Supplier Hourly Loads (Standard Offer)
- 52 Invalid Supplier Hourly Loads (Default Service)
- 53 Invalid Supplier ID
- 54 Invalid Distribution Company ID
- 55 Invalid Transmission Date
- 56 Invalid Bill Cycle Date
- 57 Invalid ACH Transfer Date
- 58 Invalid Record Count
- 59 Invalid Net Dollars
- 60 Invalid Total Supplier Credits
- 61 Invalid Total Supplier Debits
- 62 Invalid Total ACH Transfer
- 63 Invalid Total Amount Due

Segment: **SE** Transaction Set Trailer
Position: 090
Loop:
Level: Detail
Usage: Must Use
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.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/ U	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/U	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		
			Number		

824 Transaction Set Examples

824

CEP → T&D

- Example:**
- 1) Error Transaction - Invalid Total Amount Due Supplier which was originally sent in an 820 from the T&D to CEP. The individual RMR dollar amounts do not match the total amount.
 - 2) Error Transaction - Invalid Supplier Account Number for the customer which was originally sent in an 810 from the T&D to CEP.

ISA*00* *00* *ZZ*SENDER ID *ZZ*RECEIVER ID
 *000301*1519*U*00400*000000009*0*P*~GS*AG*SENDER GROUP ID*REC GROUP
 ID*20000301*1519*25*X*0040101)

ST*824*0001BGN*11*20000301000000222222*20000225N1*SJ**9*CEP DUNS+4
 REF*11*000008888
 N1*8S**1*T&D DUNSREF*12*05141111413011
 OTI*TR*TN*200011118888*****820
 DTM*703*20000224
 TED*848*344
 SE*10*0001

2)

ST*824*0002BGN*11*20000301000000444444*20000225N1*SJ**9*CEP
 DUNS+4REF*11*000005555
 N1*8S**1*T&D DUNSREF*12*05141111444444
 OTI*TR*TN*200011115555*****810
 DTM*703*20000224
 TED*848*202
 SE*10*0002

GE*2*25IEA*1*000000009

Maine EBT Technical Specifications

867 Product Transfer and Resale Report Ver/Rel 004010

Functional Group ID=**PT**

Introduction

The transaction set can be used to: (1) report information about electrical service that has occurred for one customer location for as many as 12 prior months. Report to be issued by a Distribution company to Competitive Energy Providers.

Business Function & Examples

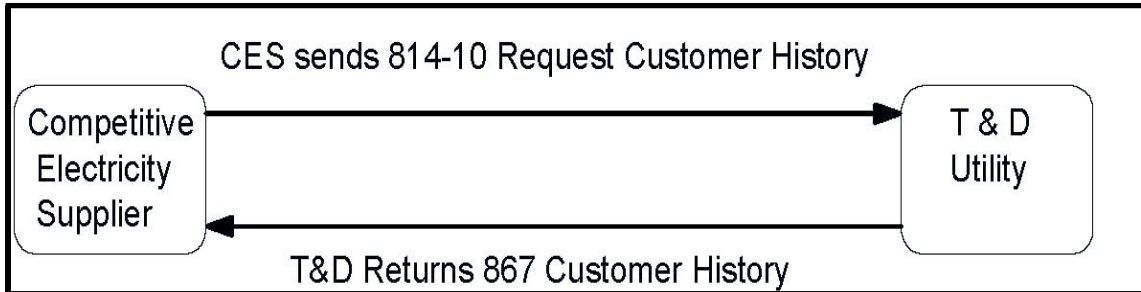
The 867 transaction is used for providing historical usage data only. No interval data will be provided via the 867. Customer Usage History (867-1) Examples are included at the end of the transaction.

Transaction Notes

1. When reporting for more than one service at a particular location the PTD loop will be used as many times as needed. The PTD loop defines the service and the meter. Each QTY loop will contain a date to identify the register, usage period and the quantities being reported.
2. The MEA160 can be repeated up to 12 times per DTM per business practice.

Transaction Data Flows

867 Transactions – Historical Usage



Transaction Set Layout

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
Must Use	010	ST	Transaction Set Header	M	1	
Must Use	020	BPT	Beginning Segment for Product Transfer and Resale	M	1	
Optional	078	PSA	Partner Share Accounting	O	10	
			LOOP ID - N1			1
Must Use	080	N1	Distribution Company	O	1	
Must Use	120	REF	Distribution Company Acct #	O	1	
			LOOP ID - N1			1
Must Use	080	N1	Supplier Company	O	1	
	120	REF	Supplier Acct #	O	1	
Must Use	120	REF	Standard Point Location	O	1	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
			LOOP ID - PTD			>1
Must Use	010	PTD	Product Transfer and Resale Detail	M	1	
Must Use	030	REF	Distribution Company Rate Code	O	1	
Must Use	030	REF	Type of Service Indicator	O	1	
Must Use	030	REF	Service Identifier (e.g. meter #)	O	1	
			LOOP ID - QTY			>1

Maine EBT Technical Specifications

Must Use	110	QTY	Quantity	O	1	
Must Use	160	MEA	Measurements - defined in notes	O	>1	
Must Use	210	DTM	Period Start or End Date	O	>1	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
Must Use	030	SE	Transaction Set Trailer	M	1	

867 CUSTOMER USAGE HISTORY REQUEST ADMINISTRATIVE LIST OF FIELDS

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BPT/020			BPT02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/080	N1	1	N104
Distribution Co account number	M/U	20	A/N	REF/120	N1	12	REF02
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/080	N1	9	N104
Supplier Account Number	OP	20	A/N	REF/120	N1	11	REF02
Standard Point Location Code	M/U	5	A/N	REF/120	N1	SPL	REF01
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BPT/020		52	BPT01
Distribution Company Rate Code	M/U	5	A/N	REF/030	PTD	NH	REF01
Type of Service Indicator	M/U	2	A/N	PTD/010	PTD	PRT	REF02
Service Identifier	M/U	20	A/N	REF/030	PTD	MG/SC	REF01
Unmetered Rate Plan Description	OP	50	A/N	REF/030	PTD	SC/U	REF03
<i>History Fields, Repeated up to 12 Months</i>							
Usage Type Code	M/U	2	A/N	MEA/160	QTY		MEA01
Measurements & Attributes	OP	20	N0	MEA/160	QTY	KH	MEA03
Read Date	M/U	8	DATE	DTM/210	QTY	187	DTM02

LEGEND

M/U = Must Use OP = Optional (sent if measured)
 DATE = CCYYMMDD A/N = Alphanumeric

867-1 CUSTOMER USAGE HISTORY REQUEST
From Distribution Company to Supplier

<u>HEADING DESCRIPTION</u>	<u>EBT</u>			<u>EDI IMPLEMENTATION GUIDELINES</u>			
	<u>USE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>SEGMENT/POS</u>	<u>LOOP</u>	<u>QUALIFIER</u>	<u>REFER TO</u>
Unique Tracking Number	M/U	30	A/N	BPT/020			BPT02
Distribution Company Identifier (Duns)	M/U	9	A/N	N1/080	N1	1	N104
Distribution Co account number	M/U	20	A/N	REF/120	N1	12	REF02
Supplier Identifier (Duns plus 4)	M/U	13	A/N	N1/080	N1	9	N104
Supplier Account Number	OP	20	A/N	REF/120	N1	11	REF02
Standard Point Location Code	M/U	5	A/N	REF/120	N1	SPL	REF01
<u>DETAIL DESCRIPTION</u>							
Detail Record Indicator	M/U	1	A/N	BPT/020		52	BPT01
Distribution Company Rate Code	M/U	5	A/N	REF/030	PTD	NH	REF02
Type of Service Indicator	M/U	3	A/N	REF/030	PTD	PRT	REF02
Service Identifier	M/U	20	A/N	REF/030	PTD	MG/SC	REF02
Unmetered Rate Plan Description	OP	50	A/N	REF/030	PTD	SC/U	REF03
<i>History Fields, Repeated up to 12 Months</i>							
Usage Type Code	M/U	2	A/N	MEA/160	QTY		MEA01
Measurements & Attributes	OP	20	N0	MEA/160	QTY	KH	MEA03
Read Date: Service Period End	M/U	8	DATE	DTM/210	QTY	187	DTM02

LEGEND: M/U = Must Use OP = Optional (sent if measured)
 DATE = CCYYMMDD A/N = Alphanumeric

Segment: **ST Transaction Set Header**
Position: 010
Loop:
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M	ID 3/3
			867 Product Transfer and Resale Report		
M/U	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
			Unique number generated by sender's translator		

Segment: **BPT** **Beginning Segment for Product Transfer and Resale**
Position: 020
Loop:
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	BPT01	353	Transaction Set Purpose Code	M	ID 2/2
			Code identifying purpose of transaction set		
			52 Response to Historical Inquiry		
	BPT02	127	Reference Identification	O	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Unique Tracking number assigned by Sender.		
M/U	BPT03	373	Date	M	DT 8/8
			Date expressed as CCYYMMDD		
			Transaction Creation Date		
M/U	BPT04	755	Report Type Code	O	ID 2/2
			Code indicating title or contents of a document, report or supporting item.		
			DD Distributor Inventory Report (usage)		

Segment: **PSA** **Partner Share Accounting – ICAP TAG**
Position: 078
Loop:
Level: Heading:
Usage: Optional
Max Use: 10
Purpose: To communicate the percentage share of the project that a particular owner has to pay.
Utility Specific comment: BHE does not send the 867 transaction via EDI. BHE will send the ICAP TAG via an alternative method.
 MPS sends NO ICAP TAG in PSA02.
 CMP- If an ICAP TAG value in PSA03 segment exceeds eight digits and rejects at the Supplier’s translator then that Supplier can email a request for the ICAP Tag value for that account number to supplierservices@cmpco.com.

Note: To communicate the KW capacity Obligation being reported to ISO for a particular account.

Data Element Summary

	Ref. Des.	Data Attributes	Data Elements	Name		
M/U	PSA01	66		Identification Code Qualifier	M	ID 1/2
				Code designating the system/method of code structure used for Identification Code (67)		
				93 Code assigned by the organization originating the transaction set		
				Code assigned by the Distribution Company originating the transaction set.		
M/U	PSA02	67		Identification Code	M	AN 2/80
				Code identifying a party or other code		
				If the ICAP TAG is zero or greater use the literal value “ICAP TAG”.		
				If the ICAP TAG field on the application file is blank, than use the literal value ‘NO ICAP TAG’		
M/U	PSA03	826		Owners Share	M	R 1/8
				To indicate owner’s share of the property		
				ICAP TAG VALUE (Should never be blank. If the ICAP TAG application file field is blank the default will be zero, otherwise, it will either be zero or greater). (To determine if a zero in this field is the ICAP TAG or the default value refer to the PSA02 element description).		

Segment: **N1** **Distribution Company**
Position: 080
Loop: N1
Level: Heading:
Usage: Must Use
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.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			8S Consumer Service Provider (T&D)		
	N102	93	Name Free-form name	X	AN 1/60
			Distribution Company Name		
M/U	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
			1 D-U-N-S Number, Dun & Bradstreet		
M/U	N104	67	Identification Code Code identifying a party or other code	X	AN 2/80
			Distribution Company DUNS number		

Segment: **REF** **Distribution Company Account Number**
Position: 120
Loop: N1
Level: Heading:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
			Utility assigned account number for the end use customer.		
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		
			Distribution Company Account number		

Segment: **N1 Supplier Company Name**
Position: 080
Loop: N1
Level: Heading:
Usage: Must Use
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.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
			SJ Service Provider (CES)		
	N102	93	Name Free-form name	X	AN 1/60
			Supplier Company Name		
M/U	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
			9 D-U-N-S Number, Dun & Bradstreet plus four		
M/U	N104	67	Identification Code Code identifying a party or other code	X	AN 2/80
			Supplier Company DUNS number plus four		

Segment: **REF** **Supplier Account Number**
Position: 120
Loop: N1
Level: Heading:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Comments: Supplier/Broker Account number will be returned if it was provided with initial request.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
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		
			Supplier Account number		

Segment: **REF** **Standard Point Location Code**
Position: 120
Loop: N1
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information.
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			SPL Standard Point at which the customer is connected to the transmission grid (ISO-NE Zone). This represents the Wholesale Settlement Node.		
	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.		
M/U	REF03	352	Description	X	AN 1/80
			A free form description to clarify the related data element and their content.		
			ISO-NE Zone MAINE NEWHAMPSHIRE VERMONT CONNECTICUT RHODEISLAND SEMASS WCMASS NEMASSBOST		

Segment: **PTD** **Product Transfer and Resale Detail**
Position: 010
Loop: PTD
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	PTD01	521	Product Transfer Type Code Code identifying the type of product transfer	M	ID 2/2
			PM Physical Meter Information		
	PTD04	128	Reference Identification Qualifier Code qualifying the reference identification	X	ID 2/3
			OZ Product Number		
	PTD05	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the reference identification qualifier	X	AN 1/30
			EL Electric Service		

Segment: **REF** **Distribution Company Rate Code**
Position: 030
Loop: PTD
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			NH Rate Card Number		
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		
			Distribution Company rate code		

Segment: **REF** **Type of Service Indicator**
Position: 030
Loop: PTD
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			PRT Product Type		
	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		
			Type of Service		
			A = Apply to all services		
			C = Combined Service (Multiple Meters)		
			D = Metered Service Demand & kWh		
			E = Metered Service kWh		
			H = Controlled Hot Water		
			L = Lighting Service		
			N = Non-Metered Service		
			P = Pending		
			T = Metered Service TOU		
			NV = No Value Available		

Segment: **REF** **Service Identifier**
Position: 030
Loop: PTD
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify identifying information
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification MG Meter Number SC Service Indicator	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 If REF01 contains MG, REF02 must contain the meter number. If REF01 contains SC, REF02 contains a 'U' and REF03 contains a description of the unmetered rate plan.	X	AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content. Unmetered rate plan description.	X	AN 1/80

Segment: **QTY** Quantity
Position: 110
Loop: QTY
Level: Detail:
Usage: Must Use
Max Use: 1
Purpose: To specify quantity information
Comments: Use of QTY04 is an ANSI requirement

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M	ID 2/2
			QD Quantity Delivered		
M/U	QTY04	61	Free-form message Free-form information	M	AN 1/30
			NV No Value		

Segment: **DTM** **Date/Time Period**
Position: 210
Loop: QTY
Level: Detail:
Usage: Must Use
Max Use: >1
Purpose: To specify pertinent dates and times
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			186 - Service Period Start		
			187 - Service Period End		
			May send Service Period End only.		
M/U	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
			Use of DTM02 allows translator to validate the date		
	DTM03	377	Time	X	TM 4/8
			Time expressed in 24 clock time.		

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary:
Usage: Must Use
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: SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	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/U	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		

867 Transaction Set Examples

867

T&D → CEP

- Example:1) Historical Usage information with ICAP =52.5 MW**
- Example:2) Historical Usage information with ICAP = 0**
- Example:3) Historical Usage information with NO ICAP = 0**

1)

```
ISA^00^          ^00^          ^ZZ^SENDER ID      ^ZZ^RECEIVER ID
^000407^1127^U^00400^000000962^0^P^|GS^PT^SENDER GROUP ID^REC GROUP
ID^20000407^1127^9^X^0040101)
```

```
ST^867^0001
BPT^52^48HU^20000228^DD
PSA^93^ICAP TAG^52.5
N1^8S^^1^T&D DUNS
REF^12^04430203956013
N1^SJ^^9^CEP DUNS+4
REF^SPL^MAINE
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^86240^KH^^^51
DTM^187^20000128
QTY^QD^^^NV
MEA^AN^^390^K1^^^42
DTM^187^20000128
QTY^QD^^^NV
MEA^AN^^312^K2^^^42
DTM^187^20000128
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^98720^KH^^^51
DTM^187^19991230
QTY^QD^^^NV
MEA^AN^^379^K1^^^42
DTM^187^19991230
QTY^QD^^^NV
MEA^AN^^334^K2^^^42
DTM^187^19991230
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
```

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MEA^AN^^110400^KH^^^51
DTM^187^19991130
QTY^QD^^^NV
MEA^AN^^373^K1^^^42
DTM^187^19991130
QTY^QD^^^NV
MEA^AN^^334^K2^^^42
DTM^187^19991130
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^91040^KH^^^51
DTM^187^19991029
QTY^QD^^^NV
MEA^AN^^389^K1^^^42
DTM^187^19991029
QTY^QD^^^NV
MEA^AN^^351^K2^^^42
DTM^187^19991029
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^99200^KH^^^51
DTM^187^19990929
QTY^QD^^^NV
MEA^AN^^341^K1^^^42
DTM^187^19990929
QTY^QD^^^NV
MEA^AN^^336^K2^^^42
DTM^187^19990929
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^110880^KH^^^51
DTM^187^19990827
QTY^QD^^^NV
MEA^AN^^379^K1^^^42
DTM^187^19990827
QTY^QD^^^NV
MEA^AN^^341^K2^^^42
DTM^187^19990827
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^118720^KH^^^51
DTM^187^19990729
QTY^QD^^^NV
MEA^AN^^320^K1^^^42
DTM^187^19990729

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QTY^QD^^^NV
MEA^AN^^345^K2^^^42
DTM^187^19990729
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^105920^KH^^^51
DTM^187^19990628
QTY^QD^^^NV
MEA^AN^^384^K1^^^42
DTM^187^19990628
QTY^QD^^^NV
MEA^AN^^353^K2^^^42
DTM^187^19990628
PTD^PM^^^OZ^EL
REF^NH^530
REF^PRT^T
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^96800^KH^^^51
DTM^187^19990528
QTY^QD^^^NV
MEA^AN^^46560^KH^^^42
DTM^187^19990528
QTY^QD^^^NV
MEA^AN^^23520^KH^^^66
DTM^187^19990528
QTY^QD^^^NV
MEA^AN^^26720^KH^^^41
DTM^187^19990528
QTY^QD^^^NV
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QTY^QD^^^NV
MEA^AN^^354^K1^^^66
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QTY^QD^^^NV
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QTY^QD^^^NV
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QTY^QD^^^NV
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Maine EBT Technical Specifications

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Maine EBT Technical Specifications

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MEA^AN^^26880^KH^^^41  
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QTY^QD^^^NV  
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MEA^AN^^356^K1^^^41  
DTM^187^19990227  
SE^219^0001
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GE^1^9  
IEA^1^000000962
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Maine EBT Technical Specifications

Example 2)

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BPT^52^48HU^20000228^DD
PSA^93^ICAP TAG^0
N1^8S^^1^T&D DUNS
REF^12^04430203956013
N1^SJ^^9^CEP DUNS+4
REF^SPL^MAINE
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^86240^KH^^^51
DTM^187^20000128
QTY^QD^^^NV
MEA^AN^^390^K1^^^42
DTM^187^20000128
QTY^QD^^^NV
MEA^AN^^312^K2^^^42
DTM^187^20000128
PTD^PM^^^OZ^EL
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MEA^AN^^98720^KH^^^51
DTM^187^19991230
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MEA^AN^^334^K2^^^42
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PTD^PM^^^OZ^EL
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REF^PRT^D
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Maine EBT Technical Specifications

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DTM^187^19990729
QTY^QD^^^NV
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MEA^AN^^345^K2^^^42
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Maine EBT Technical Specifications

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MEA^AN^^26720^KH^^^41
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QTY^QD^^^NV
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MEA^AN^^354^K1^^^66
DTM^187^19990528
QTY^QD^^^NV
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DTM^187^19990528
QTY^QD^^^NV
MEA^AN^^338^K2^^^42
DTM^187^19990528
QTY^QD^^^NV
MEA^AN^^338^K2^^^66
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MEA^AN^^2240^KH^^^66
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Maine EBT Technical Specifications

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DTM^187^19990403
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QTY^QD^^^NV
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PTD^PM^^^OZ^EL
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QTY^QD^^^NV
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MEA^AN^^356^K1^^^41
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SE^219^0001
GE^1^9
IEA^1^000000962
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Maine EBT Technical Specifications

Example 3)

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BPT^52^48HU^20000228^DD
PSA^93^NO ICAP TAG^0
N1^8S^^1^T&D DUNS
REF^12^04430203956013
N1^SJ^^9^CEP DUNS+4
REF^SPL^MAINE
PTD^PM^^^OZ^EL
REF^NH^310
REF^PRT^D
REF^MG^AB02745955
QTY^QD^^^NV
MEA^AN^^86240^KH^^^51
DTM^187^20000128
QTY^QD^^^NV
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DTM^187^20000128
QTY^QD^^^NV
MEA^AN^^312^K2^^^42
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REF^PRT^D
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MEA^AN^^98720^KH^^^51
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QTY^QD^^^NV
MEA^AN^^379^K1^^^42
DTM^187^19991230
QTY^QD^^^NV
MEA^AN^^334^K2^^^42
DTM^187^19991230
PTD^PM^^^OZ^EL
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REF^MG^AB02745955
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MEA^AN^^110400^KH^^^51
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QTY^QD^^^NV
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QTY^QD^^^NV
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Maine EBT Technical Specifications

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Maine EBT Technical Specifications

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REF^MG^GE79130703
QTY^QD^^^NV
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QTY^QD^^^NV
MEA^AN^^2240^KH^^^66
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QTY^QD^^^NV
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MEA^AN^^304^K1^^^66
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QTY^QD^^^NV
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Maine EBT Technical Specifications

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MEA^AN^^85920^KH^^^51
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DTM^187^19990329
QTY^QD^^^NV
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DTM^187^19990329
QTY^QD^^^NV
MEA^AN^^410^K1^^^42
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QTY^QD^^^NV
MEA^AN^^397^K1^^^66
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QTY^QD^^^NV
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REF^PRT^T
REF^MG^GE79130703
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DTM^187^19990227
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MEA^AN^^356^K1^^^41
DTM^187^19990227
SE^219^0001

GE^1^9
IEA^1^000000962

Maine EBT Technical Specifications

997 Functional Acknowledgment

Ver/Rel 004010

Functional Group ID=**FA**

Introduction:

The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

Business Function:

Functional Acknowledgment (997)

Transaction Best Practices:

AK1 is used to respond to the functional group header and to start the acknowledgment for one functional group or individual transactions. There shall be one AK1 segment for the functional group that is being acknowledged.

AK2 is used to start the acknowledgment of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.

There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.

Transaction Notes:

1. These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments.
2. The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

Transaction Layout:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes & Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	AK1	Functional Group Response Header	M	1		
LOOP ID - AK2							999999
Must Use	030	AK2	Transaction Set Response Header	O	1		
LOOP ID - AK3							999999
	040	AK3	Data Segment Note	O	1		
	050	AK4	Data Element Note	O	99		
Must Use	060	AK5	Transaction Set Response Trailer	M	1		
Must Use	070	AK9	Functional Group Response Trailer	M	1		
Must Use	080	SE	Transaction Set Trailer	M	1		

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level:
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	ST01	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
M/U	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: **AK1** Functional Group Response Header
Position: 020
Loop:
Level:
Usage: Must Use
Max Use: 1
Purpose: To start acknowledgment of a functional group
Comments:

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	AK101	479	Functional Identifier Code	M	ID 2/2
			Code identifying a group of application related transaction sets		
			IN	810 Invoice Information	
			GE	814 General Request	
			RA	820 Payment Order/Remittance Advice	
			AG	824 Application Advice	
			PT	867 Product Transfer & Resale Report	
M/U	AK102	28	Group Control Number	M	N0 1/9
			Assigned number originated and maintained by the sender		

Segment: **AK2 Transaction Set Response Header**
Position: 030
Loop: AK2
Level:
Usage: Must Use
Max Use: 1
Purpose: To start acknowledgment of a single transaction set
Comments:
 Utility
 Specific Comments: BHE does not pass this segment AK1 uniquely identifies the Type of transaction.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	AK201	143	Transaction Set Identifier Code	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			810 Invoice		
			814 General Request		
			820 Remittance Advice		
			824 Error Response		
			867 Historical Usage request		
M/U	AK202	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: **AK3** Data Segment Note
Position: 040
Loop: AK3
Level:
Usage: Optional
Max Use: 1
Purpose: To report errors in a data segment and identify the location of the data segment
Comments:

Data Element Summary

	Ref. Des.	Data Elements	Name		
M/U	AK301	721	Segment ID Code	M	ID 2/3
			Code defining the segment ID of the data segment in error (See Appendix A - Number 77)		
M/U	AK302	719	Segment Position in Transaction Set	M	N0 1/6
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1		
	AK303	447	Loop Identifier Code	O	AN 1/6
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE		
	AK304	720	Segment Syntax Error Code	O	ID 1/3
			Code indicating error found based on the syntax editing of a segment		
			1	Unrecognized segment ID	
			2	Unexpected segment	
			3	Mandatory segment missing	
			4	Loop Occurs Over Maximum Times	
			5	Segment Exceeds Maximum Use	
			6	Segment Not in Defined Transaction Set	
			7	Segment Not in Proper Sequence	

Segment: **AK4 Data Element Note**
Position: 050
Loop: AK3
Level:
Usage: Optional
Max Use: 99
Purpose: To report errors in a data element and identify the location of the data element
Comments:

Data Element Summary

	Ref. Des.	Data	Name	
	Attributes	Elements		
M/U	AK401	C030	Position in Segment	M Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID
M/U	C03001	722	Element Position in Segment	M N0 1/2 This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID
	C03002	1528	Component Data Element Position in Composite	O N0 1/2 To identify the component data element position within the composite that is in error
	AK402	725	Data Element Reference Number	O N0 1/4 Reference number used to locate the data element in the Data Element Dictionary
M/U	AK403	723	Data Element Syntax Error Code	M ID 1/3 Code indicating the error found after syntax edits of a data element
			1	Mandatory data element missing
			2	Conditional required data element missing
			3	Too many data elements
			4	Data element too short
			5	Data element too long
			6	Invalid character in data element
			7	Invalid code value
			8	Invalid Date
			9	Invalid Time
			10	Exclusion Condition Violated
	AK404	724	Copy of Bad Data Element	O AN 1/99 This is a copy of the data element in error

Segment: **AK5 Transaction Set Response Trailer**
Position: 060
Loop:
Level:
Usage: Must Use
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set
Comments:
 Utility Specific
 Comments: BHE does not pass this segment, AK9 Acknowledges Acceptance or Rejection.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	AK501	717	Transaction Set Acknowledgment Code	M	ID 1/1
			Code indicating accept or reject condition based on the syntax editing of the transaction set		
			A Accepted E Accepted But Errors Were Noted M, R, X Rejected		
	AK502	718	Transaction Set Syntax Error Code	O	ID 1/3
			Code indicating error found based on the syntax editing of a transaction set		
			1 Transaction Set Not Supported 2 Transaction Set Trailer Missing 3 Transaction Set Control Number in Header & Trailer So Not Match 4 Number of Included Segments Does Not Match Actual Count 5 One or More Segments in Error 6 Missing or Invalid Transaction Set Identifier 7 Missing or Invalid Transaction set Control Number 8 Authentication Key Name Unknown 9 Encryption Key Name Unknown 10 Requested Service (Authentication or Encrypted) Not Available 11 Unknown Security Recipient 12 Incorrect Message Length (Encryption Only) 13 Message Authentication Code Failed 15 Unknown Security Originator 16 Syntax Error in Decrypted Text 17 Security Not Supported 19 S1E Security End Segment Missing for S1S Security Start Segment 20 S1S Security Start Segment Missing for S1E Security End Segment 21 S3E Security End Segment Missing for S2S Security Start Segment		

		22	S2S Security Start Segment Missing for S2E Security End Segment
		23	Transaction Set Control Number Not Unique within the Functional Group
AK503	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set
AK504	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set
AK505	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set
AK506	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set

Segment: **AK9** **Functional Group Response Trailer**
Position: 070
Loop:
Level:
Usage: Must Use
Max Use: 1
Purpose: To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group
Comments: If AK901 contains the value "A" or "E", then the transmitted functional group is accepted. If AK901 contains the value "R", then the transmitted group is rejected.

Data Element Summary

	Ref. Des. Attributes	Data Elements	Name														
M/U	AK901	715	Functional Group Acknowledge Code	M	ID 1/1												
			Code indicating accept or reject condition based on the syntax editing of the functional group														
			<table border="0"> <tr><td>A</td><td>Accepted</td></tr> <tr><td>E</td><td>Accepted but errors were noted</td></tr> <tr><td>M</td><td>Rejected</td></tr> <tr><td>P</td><td>Partially Accepted</td></tr> <tr><td>R</td><td>Rejected</td></tr> <tr><td>X</td><td>Rejected</td></tr> </table>			A	Accepted	E	Accepted but errors were noted	M	Rejected	P	Partially Accepted	R	Rejected	X	Rejected
A	Accepted																
E	Accepted but errors were noted																
M	Rejected																
P	Partially Accepted																
R	Rejected																
X	Rejected																
M/U	AK902	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/U	AK903	123	Number of Received Transaction Sets	M	N0 1/6												
			Number of Transaction Sets received														
M/U	AK904	2	Number of Accepted Transaction Sets	M	N0 1/6												
			Number of accepted Transaction Sets in a Functional Group														
	AK905	716	Functional Group Syntax Error Code	O	ID 1/3												
			Code indicating error found based on the syntax editing of the functional group header and/or trailer														
			<table border="0"> <tr><td>1</td><td>Functional Group Not Supported</td></tr> <tr><td>2</td><td>Functional Group Version Not Supported</td></tr> <tr><td>3</td><td>Functional Group Trailer Missing</td></tr> <tr><td>4</td><td>Group Control Number in the Functional Group header and Trailer</td></tr> <tr><td>5</td><td>Number of Included Transaction Sets Does Not Match Actual Count</td></tr> </table>			1	Functional Group Not Supported	2	Functional Group Version Not Supported	3	Functional Group Trailer Missing	4	Group Control Number in the Functional Group header and Trailer	5	Number of Included Transaction Sets Does Not Match Actual Count		
1	Functional Group Not Supported																
2	Functional Group Version Not Supported																
3	Functional Group Trailer Missing																
4	Group Control Number in the Functional Group header and Trailer																
5	Number of Included Transaction Sets Does Not Match Actual Count																

6	Group Control Number Violates Syntax
10	Authentication Key Name Unknown
11	Encryption Key Name Unknown
12	Requested Service (Authentication or Encryption) Not Available
13	Unknown Security Recipient
14	Unknown Security Originator
15	Syntax Error in Decrypted Text
16	Security Not Supported
17	Incorrect Message Length (Encryption Only)
18	Message Authentication Code Failed
19	S1E Security End Segment Missing for S1S Security Start Segment
20	S1E Security End Segment Missing for S2S Security Start Segment
21	S2E Security End Segment Missing for S2S Security Start Segment
22	S2S Security Start Segment Missing for S2E Security End Segment

AK906	716	Functional Group Syntax Error Code Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID 1/3
AK907	716	Functional Group Syntax Error Code Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID 1/3
AK908	716	Functional Group Syntax Error Code Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID 1/3
AK909	716	Functional Group Syntax Error Code Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID 1/3

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level:
Usage: Must Use
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: SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data	Name		
	Attributes	Elements			
M/U	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/U	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		