

# New Hampshire Electronic Business Transactions Standard

For

**E**lectronic  
**D**ata  
**I**nterchange

TRANSACTION SET

# 867

**Product Transfer and  
Resale Report**

**Ver/Rel 004010**

**Outbound to Energy Supplier**

## Summary of Changes

- |               |   |
|---------------|---|
| AUGUST1, 2004 | Initial Release – Version 04.0  |
| JUNE 27, 2006 | Added Dun's + 4 capability for Suppliers to use on the N1*SJ Segment.<br>Added customers ICAP TAG value segment for suppliers. Segment PSA. |

# 867 Product Transfer and Resale Report

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## Introduction

The function of the Utility Industry Group is

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

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

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

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

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## Purpose

This New Hampshire Electronic Business Transaction, EBT, Implementation Standard contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) as prescribed by the EBT for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set will be used to report twelve months of customer historical usage to the Supplier.

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## Notes

This Implementation of this transaction set is used by the utility industry in the deregulated, alternative energy supply environment to report the historical consumption of energy or the current interval consumption of energy by a customer account to the customer’s energy service provider (ESP).

In the deregulated, alternative energy supply environment, the principal parties involved in this Transaction Set 867 implementation are:

- The utility or other entity (Code 8S) that has collected remittances from end use customers on behalf of the ESP
- The ESP (Code SJ) that supplied energy or other services to the end use customer

# **867 Product Transfer and Resale Report**

## **Best Practices**

### **Global Best Practices**

#### **Use of Text Segments**

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

#### **Use of ZZ Qualifier**

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

#### **997 - Functional Acknowledgment**

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

#### **Interchange Control Number**

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

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

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

#### **Banking Transactions**

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

#### **Capitalization**

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

## Document-Specific Best Practices

### Use of The PTD Segment

- The PTD loop conveys consumption information for one meter or register over a number of meter intervals. Accounts that have multiple meters or registers require multiple PTD loops.

### Use of The QTY Loop

- Each QTY/MEA/DTM loop conveys consumption information about one metering interval for the meter identified in the PTD/REF segment.
- Both the MEA and DTM segments must be sent with the first iteration of the QTY loop. The MEA segment must be sent to establish the initial measurement values and readings; for subsequent iterations of the QTY loop, the MEA segment need not be sent because the readings can be inferred by accumulating the QTY02 value. The DTM segment must be sent to establish the initial interval date and time; the dates and times can be inferred from the metering interval identified in the meter type (REF01 = MT).

### Use of The CTT Segment

- The X12 standards specify that the number of line items (CTT01) is the accumulation of the number on LIN segments. Because the UIG does not use the LIN segment, previous editions of this Guide specified that CTT01 would be the accumulation of the number of PTD segments. Some translators validate CTT01 to the LIN segment and report errors if the LIN is not in this implementation of this transaction set.

# 867 Product Transfer and Resale Report

Functional Group ID=**PT**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Product Transfer and Resale Report Transaction Set (867) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to: (1) report information about product that has been transferred from one location to another; (2) report sales of product from one or more locations to an end customer; or (3) report sales of a product from one or more locations to an end customer, and demand beyond actual sales (lost orders). Report may be issued by either buyer or seller.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
	078	PSA	Partner Share Accounting	O	10		
LOOP ID - N1						1	
Must Use	080	N1	Name - Distribution Company	O	1		
Must Use	120	REF	Reference Identification - Distribution Company Account	O	1		
LOOP ID - N1						1	
Must Use	080	N1	Name - Supplier	O	1		
	120	REF	Reference Identification - Supplier Account	O	1		
LOOP ID - N1						1	
Must Use	080	N1	Name - Customer Name	O	1		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PTD						>1	
M	010	PTD	Product Transfer and Resale Detail	M	1		
	030	REF	Reference Identification - Disco Rate Code	O	1		
	030	REF	Reference Identification - Type of Service	O	1		
	030	REF	Reference Identification - Service Identifier	O	1		
	030	REF	Reference Identification - Generation Source	O	1		
	030	REF	Reference Identification - Standard Point Location Code	O	1		
LOOP ID - QTY						>1	
Must Use	110	QTY	Quantity	O	1		
	160	MEA	Measurements - Demand	O	1		
	160	MEA	Measurements - KWH	O	1		
Must Use	210	DTM	Date/Time Reference - Period Start	O	1		
Must Use	210	DTM	Date/Time Reference - Period End	O	1		

## Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
NH867 (004010UIG)							



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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
			<b>867 Product Transfer and Resale Report</b>	
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BPT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M ID 2/2
		52	<b>Response to Historical Inquiry</b> Response to a request for historical meter reading.	
Must Use	BPT02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identification number, assigned by the originator of request.	O AN 1/30
M	BPT03	373	Date Date expressed as CCYYMMDD Transaction Creation Date	M DT 8/8

**Segment:** **PSA** Partner Share Accounting  
**Position:** 078  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To communicate the KW Capacity Obligation being reported to the ISO for a particular account.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PSA01	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) <b>93</b>	<b>M ID 1/2</b> <b>Code assigned by the organization originating the transaction set</b> Code assigned by the Distribution company originating the transaction set.
M	PSA02	67	<b>Identification Code</b> Code identifying a party or other code If the ICAP TAG is zero or greater use literal value "ICAP TAG". If the ICAP TAG field on the Application file is blank, than use the literal value "NO ICAP TAG".	<b>M AN 2/80</b>
M	PSA03	826	<b>Owners Share</b> 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 for this field, otherwise it will either be zero or greater). Field format is 5.3 or 5 places to the left of the decimal and 3 places to the right of the decimal. (To determine if a zero in this field is the ICAP TAG or the default value refer to the PSA02 element description). Example = 00001230 or 00000000	<b>M R 1/8</b>

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**Segment:** **N1** Name - Distribution Company  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

**Data Element Summary**

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

**Segment:** **REF** Reference Identification - Distribution Company Account  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Notes:** Required by the Utility Industry Group

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
			<b>12 Billing Account</b> Utility-assigned account number for the end use customer.	
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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**Segment:** **N1** Name - Supplier  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
			<b>SJ Service Provider</b> Energy Service Provider	
	N102	93	<b>Name</b> Free-form name	X AN 1/60
Must Use	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		1	<b>D-U-N-S Number, Dun &amp; Bradstreet</b>	
		9	<b>D-U-N-S+4, D-U-N-S Number with Four Character Suffix</b>	
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80
			Supplier D-U-N-S Number or D-U-N-S + 4 Number	

**Segment:** **REF** Reference Identification - Supplier Account  
**Position:** 120  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>11</b>	M ID 2/3
			<b>Account Number</b> Energy Service Provider-assigned account number for the end use customer.	
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

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**Segment:** **N1** Name - Customer Name  
**Position:** 080  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	<b>M ID 2/3</b>
		8R	<b>Consumer Service Provider (CSP) Customer</b> Current name of the end use customer.	
Must Use	N102	93	<b>Name</b> Free-form name	<b>X AN 1/60</b>

**Segment:** **PTD** **Product Transfer and Resale Detail**  
**Position:** 010  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data  
**Notes:** The PTD loop conveys consumption information for one meter or register over a number of metering intervals. Accounts that have multiple meters or registers require multiple PTD loops.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PTD01	521 Product Transfer Type Code	M ID 2/2
		Code identifying the type of product transfer	
		<b>PM</b> <b>Physical Meter Information</b>	

**Segment:** **REF** Reference Identification - Disco Rate Code  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>NH</b>	M ID 2/3
			<b>Rate Card Number</b> Utility Rate class or tariff	
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **REF** Reference Identification - Type of Service  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
			<b>PRT</b> <b>Product Type</b> Identifies the type of service; e.g., yard light, water heater, etc.	
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **REF** Reference Identification - Service Identifier  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Notes:** This segment is required if PTD01 equals P.M.; this segment is optional if PTD01 equals SU.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When REF01 is JH, valid values for REF02 are: A = Additive - this consumption contributed to the summarized total (do nothing). I = Ignore - this consumption did not contribute to the summarized total (do nothing). S = Subtractive - this consumption needs to be subtracted from the summarized total.  When REF01 is MT, the meter type is expressed as a five- to seven-character field. The first two characters are the type of consumption, expressed in the units of measure from Data Element 355. The next three-characters are the metering interval, expressed as one of the following values:  Nnn - number of minutes, from 001 to 999 ANN - annual BIA - bi-annual BIM - bi-monthly DAY - daily MON - monthly QTR - quarterly TOU - time of use (additional 2 characters required) ???????  The last two characters are the significance codes from Data Element MEA07.  For example: KHMON represents kilowatt hours per month K1MON represents monthly peak kilowatt demand K1015 represents kilowatt demand per 15 minute interval K1060 represents kilowatt demand per hourly interval K1TOU41 represents off-peak kilowatt demand  When REF01 is "SC", valid values for REF02 are: M = Metered U = Unmetered  When REF01 is "SU", valid values for REF02 are: Y - Life Support Required N - Life Support Not Required	X AN 1/30



**Segment:** **REF** Reference Identification - Generation Source  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>T0 Dealer Type Identification</b> Generation Source. For Historical Usage Reporting, identifies type of generation most recently assigned to the account	M ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier C = Competitive Supplier D = Default, Fixed Rate S = Standard Offer V = Default, Variable Rate	X AN 1/30

**Segment:** **REF** Reference Identification - Standard Point Location Code  
**Position:** 030  
**Loop:** PTD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Notes:** The Independent System Operator for New England (ISO NE) has established 8 zonal areas within New England Power Pool in support of FERC'S Standard Market Design rules. Each customer will be associated to a zone within the ISO as determined by the Local Distribution Company. Energy will be delivered to these zones, for customers within the zone, by their energy suppliers. The zone is a new attribute of a customer's account that needs to be provided to the Energy Supplier to enable them to manage their supply.  
 The zone attribute will be returned as part of a successful enrollment response to a supplier enrollment request. If the zone is changed by the LDC, during the period served by the supplier, an 814 Change transaction will be issued by the LDC with the new REF\*SPL\*\*ZONE identified. The zone would also be issued on a MOVE transaction and a successful response to a Historical Usage Request, 867 Document.

**Data Element Summary**

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

**Segment:** **QTY** Quantity  
**Position:** 110  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Notes:** Each QTY/MEA/DTM loop conveys consumption information about one metering interval.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			<b>QD</b> <b>Quantity Delivered</b>	
Must Use	QTY04	61	Free-Form Message Free-form information	X AN 1/30
			<b>NV</b> <b>No Value</b>	

**Segment:** **MEA** Measurements - Demand  
**Position:** 160  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MEA03	739	<b>Measurement Value</b> The value of the measurement	X R 1/20
	MEA04	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	X
M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>K1 Kilowatt Demand</b> <b>K2 Kilovolt Amperes Reactive Demand</b>	M ID 2/2
Must Use	MEA07	935	<b>Measurement Significance Code</b> Code used to benchmark, qualify or further define a measurement value <b>22 Actual</b>	O ID 2/2

**Segment:** **MEA** Measurements - KWH  
**Position:** 160  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)  
**Notes:** When meter readings are recorded, this segment must be is sent with the first iteration of the QTY loop, to establish the initial measurement values and readings. For subsequent iterations of the QTY loop, this segment need not be sent because the readings can be inferred by accumulating the QTY02 value. May not apply to summarized or historical data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MEA03	739	<b>Measurement Value</b> The value of the measurement Represents the meter constant when MEA02 equals "MU". When no multiplier is present, use a value of 1.	<b>X R 1/20</b>
	MEA04	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	<b>X</b>
M	C00101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>KH Kilowatt Hour</b>	<b>M ID 2/2</b>
Must Use	MEA07	935	<b>Measurement Significance Code</b> Code used to benchmark, qualify or further define a measurement value <b>22 Actual</b> <b>46 Estimated</b>	<b>O ID 2/2</b>

**Segment:** **DTM** Date/Time Reference - Period Start  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time <b>150 Service Period Start</b>	<b>M ID 3/3</b>
	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format <b>D8 Date Expressed in Format CCYMMDD</b>	<b>X ID 2/3</b>
	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X AN 1/35</b>

**Segment:** **DTM** Date/Time Reference - Period End  
**Position:** 210  
**Loop:** QTY Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Notes:** To specify pertinent dates and times

This segment must be sent with the first iteration of the QTY loop, to establish the initial interval date and time. For subsequent iterations of the QTY loop, this segment need not be sent because the dates and times can be inferred from the metering interval identified in the meter type (REF01 = MT).

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
		151 Service Period End	
	DTM05	1250 Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format	X ID 2/3
		D8 Date Expressed in Format CCYYMMDD	
	DTM06	1251 Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Data Element Summary**

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