# RHODE ISLAND Electronic Business Transactions Standard

For

Electronic Data Interchange

**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.

Added customers ICAP TAG value segment for suppliers. Segment PSA.

# 867 Product Transfer and Resale Report

# Introduction

The function of the Utility Industry Group is

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

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

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

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

# **Purpose**

This Rhode Island 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.

## **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 fourdigit 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.

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# 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:**

M	Pos. No. 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. Des. M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
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	0	1		
Must Use	120	REF	Reference Identification - Distribution Company Account	0	1		
			LOOP ID - N1			1	
Must Use	080	N1	Name - Supplier	О	1		
	120	REF	Reference Identification - Supplier Account	O	1		
			LOOP ID - N1		·	1	
Must Use	080	N1	Name - Customer Name	O	1		

#### Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and Comments
		_	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	О	1		

#### **Summary:**

Pos. Seg. <u>No.</u> <u>ID</u>	<u>Name</u>	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and Comments
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RHODE ISLAND EBT GUIDES
M 030 SE Transaction Set Trailer

M 1

**ST** Transaction Set Header **Segment:** 

**Position:** 

Loop: Level: Heading Usage: Mandatory

Max Use:

**Purpose:** To indicate the start of a transaction set and to assign a control number

M	Ref. Des. ST01	Data Element 143	Name Transaction Set Identifier Code	Attı M	ributes ID 3/3
			Code uniquely identifying a Transaction Set  867 Product Transfer and Resale Repo	ort	
M	ST02	329	Transaction Set Control Number	$\mathbf{M}$	AN 4/9
			Identifying control number that must be unique within the tra functional group assigned by the originator for a transaction s		cion set

**BPT** Beginning Segment for Product Transfer and Resale **Segment:** 

**Position:** 

Loop: Level: Heading Usage: Mandatory

Max Use:

**Purpose:** To indicate the beginning of the Product Transfer and Resale Report Transaction Set and

transmit identifying data

M	Ref. <u>Des.</u> BPT01	Data Element 353	Name Transaction Set Pu	•		ibutes ID 2/2
			Code identifying pu <b>52</b>	rpose of transaction set  Response to Historical Inquiry		
			32	Response to a request for historical	mete	r reading.
Must Use	BPT02	127	Reference Identific	cation	O	AN 1/30
			specified by the Ref	ion as defined for a particular Transaction ference Identification Qualifier		
A unique tran request.				ion identification number, assigned by	the o	originator of
M	BPT03	373	Date		M	DT 8/8
			Date expressed as C	CCYYMMDD		
			Transaction Creat			

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**

	Ref.	Data		
	Des.	<b>Element</b>	Name	<b>Attributes</b>
M	PSA01	66	Identification Code Qualifier	M ID 1/2
			Code designating the system/method of code struct Code (67)	ure used for Identification
			93 Code assigned by the org the transaction set	janization originating
			Code assigned by the Distroriginating the transaction s	•
$\mathbf{M}$	PSA02	67	Identification Code	M AN 2/80
			Code identifying a party or other code	
			If the ICAP TAG is zero or greater use literal value ICAP TAG field on the Application file is luse the literal value "NO ICAP TAG".	
M	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 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).

**N1** Name - Distribution Company **Segment:** 

**Position:** 080

Loop: Level: N1 Optional (Must Use)

Heading

Optional (Must Use) Usage:

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

M	Ref. <u>Des.</u> N101	Data Element 98	Name Entity Identifier Co	ode	Attr M	ributes ID 2/3
			Code identifying an individual 8S	organizational entity, a physical location  Consumer Service Provider (CSP)		perty or an
				Utility		
	N102	93	Name		X	AN 1/60
			Free-form name			
Must Use	N103	66	<b>Identification Code</b>	Qualifier	X	ID 1/2
			Code designating the Code (67)	e system/method of code structure used f	or Ide	entification
			1	D-U-N-S Number, Dun & Bradstree	et	
<b>Must Use</b>	N104	67	<b>Identification Code</b>	,	X	AN 2/80
			Code identifying a p	arty or other code		

Segment: **REF** Reference Identification - Distribution Company Account

**Position:** 120

**Loop:** N1 Optional (Must Use)

Level: Heading

**Usage:** Optional (Must Use)

Max Use:

**Purpose:** To specify identifying information

Notes: Required by the Utility Industry Group

**Data Element Summary** 

Ref. Data
Des. Element Name
M REF01 128 Reference Identification Qualifier
Code qualifying the Reference Identification

12 Billing Account

Utility-assigned account number for the end use

customer.

Must Use 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

**N1** Name - Supplier **Segment:** 

**Position:** 080

Loop: Level: N1 Optional (Must Use)

Heading

Optional (Must Use) Usage:

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		<u>Attr</u>	<u>ibutes</u>
M	N101	98	<b>Entity Identifier C</b>	ode	M	ID 2/3
			Code identifying an individual	organizational entity, a physical location	, prop	perty or an
			SJ	Service Provider		
				Energy Service Provider		
	N102	93	Name		X	AN 1/60
			Free-form name			
<b>Must Use</b>	N103	66	<b>Identification Code</b>	e Qualifier	$\mathbf{X}$	ID 1/2
			Code designating the Code (67)	e system/method of code structure used for	or Ide	entification
			1	D-U-N-S Number, Dun & Bradstree	∍t	
			9	D-U-N-S+4, D-U-N-S Number with Fo Suffix	our C	Character
Must Use	N104	67	Identification Code	2	X	AN 2/80
			Code identifying a p	party or other code		
			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:

**Purpose:** To specify identifying information

#### **Data Element Summary**

M	Ref. <u>Des.</u> REF01	Data Element 128	<u>Name</u> Reference Ide	entification Qualifier		ributes ID 2/3
			Code qualifyin	ng the Reference Identification		
			11	Account Number		
				Energy Service Provider-assigne for the end use customer.	d accou	nt number
Must Use	REF02	127	Reference Ide	entification	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**N1** Name - Customer Name **Segment:** 

**Position:** 080

Loop: Level: N1 Optional (Must Use)

Heading

Optional (Must Use) Usage:

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

#### **Data Element Summary**

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

Free-form name

Segment: PTD Product Transfer and Resale Detail

**Position:** 010

**Loop:** PTD Mandatory

Level: Detail Usage: Mandatory

Max Use:

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** 

Code identifying the type of product transfer

PM Physical Meter Information

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**

	Kei.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ibutes</u>
M	REF01	128	Reference Identification Qualifier		M	ID 2/3
			Code qualifying th	e Reference Identification		
			NH	Rate Card Number		
				Utility Rate class or tariff		
	REF02	127	Reference Identifi	ication	X	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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** 

M	Ref. <u>Des.</u> REF01	Data Element 128	<u>Name</u> Reference Identific	cation Qualifier	Attı M	ributes ID 2/3
			Code qualifying the	Reference Identification		
			PRT	Product Type		
				Identifies the type of service; e.g., y	ard li	ght, water
				heater, etc.		
Must Use	REF02	127	Reference Identific	cation	$\mathbf{X}$	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

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**

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>
M	REF01	128	Reference Id	lentification Qualifier	M	ID 2/3
			Code qualify	ing the Reference Identification		
			MG	Meter Number		
Must Use	REF02	127	Reference Id	lentification	X	AN 1/30

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 sevencharacter 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

I - Investigating whether Life Support is Required

Segment: **REF** Reference Identification - Generation Source

**Position:** 030

**Loop:** PTD Mandatory

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify identifying information

#### **Data Element Summary**

Ref. Data

Des. Element Name

M REF01 128 Reference Identification Qualifier

M ID 2/3

Code qualifying the Reference Identification

T0 Dealer Type Identification

Generation Source. For Historical Usage

Reporting,

identifies type of generation most recently

assigned to the account

**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

C = Competitive Supplier

D = Default, Fixed Rate

S = Standard Offer

V = Default, Variable Rate

REF Reference Identification - Standard Point Location Code **Segment:** 

**Position:** 

Loop: PTD Mandatory

Level: Detail Usage: Optional Max Use:

**Purpose:** 

To specify identifying information

**Notes:** 

The Independant 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**

Ref. Data Element **Attributes** Des. Name M REF01 128 **Reference Identification Qualifier** M ID 2/3

Code qualifying the Reference Identification

SPL Standard Point Location Code (SPLC)

> 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 X AN 1/80

A free-form description to clarify the related data elements and their content

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:

**Purpose:** To specify quantity information

Notes: Each QTY/MEA/DTM loop conveys consumption information about one metering

interval.

**Data Element Summary** 

	Ref. Des.	Data Element	Name		Attı	ributes
$\mathbf{M}$	QTY01	673	Quantity Qua	alifier	M	ID 2/2
			Code specifyi	ng the type of quantity		
			QD	<b>Quantity Delivered</b>		
<b>Must Use</b>	QTY04	61	Free-Form M	Iessage	X	AN 1/30
			Free-form info	ormation		

NV No Value

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)

	Ref.	Data		·		
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ibutes</u>
Must Use	MEA03	739	Measurem	ent Value	X	R 1/20
			The value of	of the measurement		
	MEA04	C001	Composite	<b>Unit of Measure</b>	X	
			To identify of use)	a composite unit of measure (See Figures Append	dix fo	or examples
M	C00101	355	Unit or Ba	sis for Measurement Code	M	ID 2/2
			which a me	Sying the units in which a value is being expressed asurement has been taken	, or n	nanner in
			<b>K</b> 1	Kilowatt Demand		
			<b>K2</b>	Kilovolt Amperes Reactive Demand		
Must Use	<b>MEA07</b>	935	Measurem	ent Significance Code	O	ID 2/2
			Code used	to benchmark, qualify or further define a measurer	nent	value
			22	Actual		

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.

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ributes</u>
Must Use	MEA03	739	Measurement Valu	ie	$\mathbf{X}$	R 1/20
			The value of the me	asurement		
			•	eter constant when MEA02 equals "M nt, use a value of 1.	1U".	When no
	MEA04	C001	<b>Composite Unit of</b>	Measure	$\mathbf{X}$	
			To identify a composition of use)	site unit of measure (See Figures Apper	dix fo	or examples
M	C00101	355	Unit or Basis for M	leasurement Code	M	ID 2/2
			Code specifying the which a measureme <b>KH</b>	units in which a value is being expressed nt has been taken Kilowatt Hour	l, or n	manner in
<b>Must Use</b>	<b>MEA07</b>	935	Measurement Sign	ificance Code	O	ID 2/2
			Code used to bench	mark, qualify or further define a measure	ment	value
			22	Actual		
			46	Estimated		

**DTM** Date/Time Reference - Period Start **Segment:** 

**Position:** 210

Loop: Level: QTY Detail Optional (Must Use)

Optional (Must Use) Usage:

Max Use:

**Purpose:** To specify pertinent dates and times

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ributes</u>
M	$\overline{\mathbf{DTM01}}$	374	Date/Time Qualif	ier	M	ID 3/3
			Code specifying ty	pe of date or time, or both date and time		
			150	Service Period Start		
	<b>DTM05</b>	1250	<b>Date Time Period</b>	Format Qualifier	X	ID 2/3
			Code indicating the	e date format, time format, or date and tim	e fori	mat
			D8	Date Expressed in Format CCYYN	<b>IM</b> DI	D
	<b>DTM06</b>	1251	<b>Date Time Period</b>		X	AN 1/35
			Expression of a dat	e, a time, or range of dates, times or dates	and 1	times

Segment: **DTM** Date/Time Reference - Period End

**Position:** 210

**Loop:** QTY Optional (Must Use)

Level: Detail

**Usage:** Optional (Must Use)

Max Use:

**Purpose:** To specify pertinent dates and times

Notes: 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).

	Ref. Des.	Data Element	Name	·	<u>Attı</u>	ributes
M	DTM01	374	Date/Time Qualifi	er	$\mathbf{M}$	ID 3/3
			Code specifying typ	be of date or time, or both date and time		
			151	Service Period End		
	DTM05	1250	<b>Date Time Period</b>	Format Qualifier	X	ID 2/3
			Code indicating the	date format, time format, or date and tim	e for	mat
			D8	Date Expressed in Format CCYYN	IMDI	D
	<b>DTM06</b>	1251	<b>Date Time Period</b>		X	AN 1/35
			Expression of a dat	e, a time, or range of dates, times or dates	and t	times

**SE** Transaction Set Trailer **Segment:** 

**Position:** 

Loop: Level: Summary Usage: Mandatory

Max Use:

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments) **Purpose:** 

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
M	SE01	96	Number of Included Segments	$\mathbf{M}$	N0 1/10
			Total number of segments included in a transaction set include segments	ding S	ST and SE
M	SE02	329	Transaction Set Control Number	M	AN 4/9
			Identifying control number that must be unique within the tra- functional group assigned by the originator for a transaction		tion set