Transaction/ Document	Segment/ Table	Notes
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814E IG	REF*1P	NMA Code
814HU IG	REF*1P	NIA & NMA Codes
867HIU DD	Rows 124, 127-165	Loop Code, Position References, Reordering of Segments
867HIU IG	Table of Contents	Reordering of Segments
867HIU IG	REF*BF	Gray Box Note
867HIU IG	56-57, 62, 64-65, 71	Position References – DTM Segments
867HU IG	REF*BF	Gray Box Note
867MIU DD	Rows 99-137	Position References, Reordering of Segments
867MIU IG	Table of Contents	Reordering of Segments
867MIU IG	46-47, 54-55	Position References – DTM Segments

814C IG

814 Change (Account Maintenance)

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Functional Group ID=GE

</div>

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Account Maintenance Transaction Set (814) for use within the context of an Electronic Data Interchange (EDI) environment.

Notes:

This guideline is limited to defining various account maintenance information that may be exchanged between trading partners.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
103	010	ST	Transaction Set Header	M	1		
44	020	BGN	Beginning Segment	M	1		
			LOOP ID - N1			1	
55	040	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
66	040	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
77	040	N1	Name (Customer)	O	1		
88	060	N3	Address Information (Service Address)	O	1		
99	070	N4	Geographic Location (Service Address)	O	1		
1010	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		
			LOOP ID - N1			1	
1212	040	N1	Name (Name for Mailing)	O	1		
1313	060	N3	Address Information (Mailing Address)	O	1		
2114	070	N4	Geographic Location (Mailing Address)	O	1		
1515	080	PER	Administrative Communications Contact (Customer Phone Number)	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			>1	
1616	010	LIN	Item Identification	O	1		
1717	020	ASI	Action or Status Indicator	O	1		
1818	030	REF	Reference Identification (Reject Response Reasons)	O	1		
1919	030	REF	Reference Identification (Reason for Change - Account Level)	O	1		
2020	030	REF	Reference Identification (ESCO Customer Account Number)	O	1		
2222	030	REF	Reference Identification (Utility Account Number)	O	1		
2323	030	REF	Reference Identification (Previous Utility Account Number)	O	1		
3124	030	REF	Reference Identification (Utility Account Number for ESCO)	O	1		
2525	030	REF	Reference Identification (Meter Cycle Code)	O	1		
2626	030	REF	Reference Identification (Bill Cycle Code)	O	1		
2727	030	REF	Reference Identification (Bill Presenter)	O	1		
2828	030	REF	Reference Identification (Bill Calculator)	O	1		

2929	030	REF	Reference Identification (Current Budget Billing Status)	O	1
3030	030	REF	Reference Identification (ESCO Late Fees)	O	1
3131	030	REF	Reference Identification (Partial Participation Portion)	O	1
3232	030	REF	Reference Identification (Customer on Life Support)	O	1
3333	030	REF	Reference Identification (Gas Pool ID)	O	1
3434	030	REF	Reference Identification (Gas Capacity Assignment/Obligation)	O	1
3535	030	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1
3636	030	REF	Reference Identification (Portion Taxed Residential)	O	1
4437	030	REF	Reference Identification (Account Settlement Indicator)	O	1
4538	030	REF	Reference Identification (NYPA Discount Indicator)	O	1
4639	030	REF	Reference Identification (Utility Discount Indicator)	O	1
4740	030	REF	Reference Identification (Industrial Classification Code)	O	1
4841	030	REF	Reference Identification (Tax Exempt Status)	O	1
4942	030	REF	Reference Identification (Interval Usage Option)	O	1
5043	040	DTM	Date/Time Reference (Effective Date of Change)	O	1
5144	040	DTM	Date/Time Reference (Assigned Service Start Date)	O	1
5245	040	DTM	Date/Time Reference (Assigned Service End Date)	O	1
5346	040	DTM	Date/Time Reference (ICAP Effective Date)	O	1
5447	060	AMT	Monetary Amount (ESCO Budget Plan Installment Amount)	O	1
5548	060	AMT	Monetary Amount (Tax Exemption Percent)	O	1
5649	060	AMT	Monetary Amount (ESCO Commodity Price)	O	1
5650	060	AMT	Monetary Amount (ESCO Fixed Charge)	O	1
5851	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -1)	O	1
5952	060	AMT	Monetary Amount(Customer's Tax Rate for ESCO Charges -2)	O	1
6053	060	AMT	Monetary Amount (ICAP)	O	1
6154	060	AMT	Monetary Amount (ESCO Pricing Adjustment Credit)	O	1
			LOOP ID - NM1		>1
6255	080	NM1	Metered or UnMetered Service Points	O	1
6457	130	REF	Reference Identification (Reason for Change - Meter Level)	O	>1
6558	130	REF	Reference Identification (Old Meter Number)	O	1
6659	130	REF	Reference Identification (Utility Rate Service Class)	O	1
6760	130	REF	Reference Identification (Utility Rate Sub Class)	O	1
6861	130	REF	Reference Identification (Utility Load Profile Group Code)	O	1
6962	130	REF	Reference Identification (Measurement Type and Reporting Interval)	O	1
7164	130	REF	Reference Identification (Use Time of Day)	O	>1
7366	130	REF	Reference Identification (ESCO Rate Code)	O	1
7467	150	SE	Transaction Set Trailer	M	1
E-1			Examples		

Transaction Set Notes:

1. The N1 loop is used to identify the parties to this transaction.
2. The LIN loop is used to transmit account level data.
3. The NM1 loop is used to transmit meter level data.

Segment:	**REF** Reference Identification (Reason for Change - Account Level)
Position:	030
Loop:	LIN Optional (Must Use)
Level:	Detail
Usage:	Optional (Dependent)
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:	Request: Conditional
	Response: Optional

This segment is used to identify the data segment(s) sent at the account level that are being changed.   See page 48 of this Implementation Guide for a description of the codes used to identify a change in the data segment(s) sent at the meter level.
REF~TD~N18R

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	REF01	128	Reference Identification Qualifier	M	ID 2/3
			TD Reason for Change		
Must Use	REF02	127	Reference Identification	X	AN 1/30

AMT7   Change ESCO Pricing Adjustment Credit
Used to report a credit to the customer's account when the ESCO has charged a customer that receives service subject to a price gaurantee guarantee more than what the customer would have paid the utility and the ESCO is required to provide a credit to the customer. The Utility will include this one-time credit on the customer's next bill.

AMT9M   Change Customers' Tax Rate 1
Utility Rate Ready Consolidated Billing Only.
Used to report a change in the customer's tax rate when the utility is calculating ESCO charges.
The 9M code may also be used to report a change in the residential tax rate applicable to a portion of the service (i.e. a REF*RP was present in the Enrollment transaction) when URR billing is in effect. The AMT9N code may be used to report a change in the portion of the account taxed at a commercial rate.

AMT9N   Change Customers' Tax Rate 2
Utility Rate Ready Consolidated Billing Only.
This code may only be used to report a change in the customer's tax rate applicable to the portion of the service taxed at a commercial rate in instances when part of the service is taxed at a residential rate and the balance at a commercial rate (i.e. REF*RP was present in the Enrollment transaction). The AMT9M code may be used to report a change in the residential tax rate on that account.

AMTB5   Change ESCO Budget Plan Installment Amount
 Supported only if indicated within a utility's Utility Maintained EDI Guide.

AMTBD   Change ESCO Budget Plan Balance
 Supported only if indicated within a utility's Utility Maintained EDI Guide.

AMTDP	Change Percentage of Service Tax Exempt	
AMTFW	Change ESCO Fixed Charge	
AMTKZ	Change ICAP	
	ELECTRIC Service Only.	
AMTRJ	Change ESCO Commodity Price	
DTM007	Change Effective Date	
DTM150	Change Service Period Start Date	
	Enrollment is pending. This code is used by the Utility to report a change in the Assigned Service Start Date.	
DTM151	Change Service Period End Date	
	A Drop is pending. This code is used by the Utility to report a change in the Assigned Service End Date.	
N18R	Change Contact Information or Service Address	
	Use this code when the Customer contact information, e.g. name, phone, fax or email, on the account is being changed and/or a change of service address is being reported.	
N1BT	Change Contact Information for Mailing or Mailing Address	
	Use this code when the Customer contact information, e.g. name, phone, fax or email, for mailing and/or the mailing address is being changed.	
REF11	Change ESCO Customer Account Number	
REF12	Change Utility Account Number	
REF65	Change Meter Read Cycle	
REFBF	Change Bill Cycle	
REFBLT	Change Billing Type (Bill Presenter)	
REFGC	Change Gas Capacity Assignment/Obligation	
	GAS Service Only	
REFIJ	Change Industrial Classification Code	
REFIU	Barge Permit Number (Interval Usage Option)	
REFLF	Change ESCO Late Fee Policy	
	Supported only if indicated within a utility's Utility Maintained EDI Guide.	
REFNR	Change Current Budget Billing Status	
REFPC	Change Party that Calculates the Bill (Bill Calculator)	
REFPGC	Change Partial Participation Portion	
REFRP	Change Portion Taxed Residential	
REFSG	Change Utility Discount Indicator	
REFSPL	Change ISO LBMP Zone	
	ELECTRIC Service Only	
REFSU	Change Special Processing Code	
	Use this code to report a change in the Customer's Life Support status (Single Retailer Model)	
REFTDT	Change Account Settlement Indicator	
REFTX	Change Utility Tax Exempt Status	
REFVI	Change Gas Pool ID	
	GAS Service Only	
REFYP	Change NYPA Discount Indicator	

814E IG

Segment:	**REF** Reference Identification (Response Information or Warnings)	
Position:	030	
Loop:	LIN Optional (Must Use)	
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:	Request: Not used	
	Response: Optional	
	REF~1P~I01	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			1P Accessorial Status Code	
			Warnings or information associated with an accepted status notification	
Must Use	REF02	127	Reference Identification	X AN 1/30
			A13 Other	
			See REF03.	
			API Application Incomplete	
			Required Information Missing. See REF03 for details.	
			FRB Failed to Release Billing	
			Incorrect Billing option requested.	
			HUL Historic Usage Limited	
			May be sent when a secondary request for usage history is received along with an enrollment request to indicate that the 867HU will not contain any usage data.	
			I01 Off System Account	
			I02 Partial Requirements Customer	
			NIA Not Interval Account	
			NMA Net Metered Account	
			Interval Usage is not meaningful. 867HU will be provided without interval usage.	
Cond.	REF03	352	Description	X AN 1/80
			Additional text information may be sent in REF03 to clarify the details of an Accept Response. REF03 must be sent when REF02 in this segment contains A13 or API.	

814HU IG

Segment:	**REF** Reference Identification (Response Information or Warnings)	
Position:	030	
Loop:	LIN	Optional (Must Use)
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:	Request:	Not used
	Response:	Conditional
	REF~1P~HUL	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			1P	Accessorial Status Code	
				Warnings or information associated with an accepted status notification	
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			A13	Other	
				See REF03.	
			HUL	Historical Usage Limited	
				This is limited to the PTD*FG loop in the 867HU transaction. i.e. no usage data to be reported or exchanged.	
			NIA	Not Interval Account	
			NMA	Net Metered Account	
				Interval Usage is not meaningful. 867HU will be provided without interval usage.	
Cond.	**REF03**	**352**	**Description**	**X**	**AN 1/80**
				Additional text information may be sent in REF03 to clarify the details of an Accept Response. REF03 must be sent when REF02 in this segment contains A13 or API.	

867HIU DD

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
123	Reference Identification (Meter Number)	QTY Loop	REF	DTL	030	02	Reference Identification	Utility assigned Meter Number or "UNMETERED" for unmetered service points.	Meter #	AN(1/30)	Required	When REF*MG is being sent, this element is required.
124	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains interval consumption data by the account level on the account for the commodity being reported.	~~XY~~IA	ID(2/2)	Conditional	Provided when interval consumption is being requested at the account level. This PTD segment is for summarized metered consumption.
125	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
126	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
127	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-
128	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
129	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-
130	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
131~~27~~	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	The rate class associated with the meter or service end point being reported is required.
132~~28~~	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.		AN(1/30)	Required	When a REF*NH segment is sent, this element is required.
133~~29~~	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
134~~30~~	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	When a REF*PR segment is sent, this element is required.
135~~1~~	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
136~~2~~	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
~~133~~	~~Date/Time Reference (Period Start Date)~~	~~PTD Loop~~	~~DTM~~	~~DTL~~	~~070~~	~~01~~	~~Date/Time Qualifier~~	~~Code indicating that DTM02 contains the start date for the usage period being~~	~~150~~	~~ID(3/3)~~	~~Required~~	-

								reported in this PTD loop.				
134	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	070	02	Date	–	CCYYMMDD	DT(8/8)	Required	–
135	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	–
136	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	02	Date	–	CCYYMMDD	DT(8/8)	Required	–

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
137	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*~~XY~~IA loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.
138	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.		R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
139	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
140	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
141	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	02	Date		CCYYMMDD	DT(8/8)	Required	
142	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	03	Time		HHMM	TM(4/8)	Required	
143	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
144	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains metered usage data by each individual metered service point on the account for the commodity being reported.	PM	ID(2/2)	Conditional	This PTD loop is used to report interval meter data by meter. Unless beginning and ending 'reads' are being used to describe unmetered consumption, that data should not be sent in this loop but in PTD*BC.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
145	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
146	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
147	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-
148	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
149	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-
150	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
15147	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.	MG	ID(2/3)	Conditional	A meter number OR a service point id number must be provided for each measurement point being reported in this PTD loop.
15248	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility assigned meter number	Meter #	AN(1/30)	Required	When REF*MG is sent, the 02 element is required.
15349	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	The rate class associated with the meter or service end point being reported is required.
1540	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.		AN(1/30)	Required	When a REF*NH segment is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
15~~5~~1	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
15~~6~~2	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	When a REF*PR segment is sent, this element is required.
15~~7~~3	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
15~~8~~4	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
~~155~~	~~Date/Time Reference (Period Start Date)~~	~~PTD Loop~~	~~DTM~~	~~DTL~~	~~070~~	~~01~~	~~Date/Time Qualifier~~	~~Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.~~	~~150~~	~~ID(3/3)~~	~~Required~~	~~-~~
~~156~~	~~Date/Time Reference (Period Start Date)~~	~~PTD Loop~~	~~DTM~~	~~DTL~~	~~070~~	~~02~~	~~Date~~	~~-~~	~~CCYYMMDD~~	~~DT(8/8)~~	~~Required~~	~~-~~
~~157~~	~~Date/Time Reference (Period End Date)~~	~~PTD Loop~~	~~DTM~~	~~DTL~~	~~070~~	~~01~~	~~Date/Time Qualifier~~	~~Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.~~	~~151~~	~~ID(3/3)~~	~~Required~~	~~-~~

158	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
159	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*PM loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
160	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.		R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
161	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
162	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
163	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	02	Date		CCYYMMDD	DT(8/8)	Required	
164	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	03	Time		HHMM	TM(4/8)	Required	
165	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	~~070~~210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
166	Transaction Set Trailer	None	SE	DTL	180	01	Number of Included Segments	Number of segments in this transaction.	#	NO 1/10	Required	
167	Transaction Set Trailer	None	SE	DTL	180	02	Transaction Set Control Number		ST02	AN(4/9)	Required	Refer to examples at the back of the 867HIU Implementation Guide.

867HIU IG

867 Historic Interval Usage

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.

Notes:

This guide documents the format and content of the TS867 used to respond to either an 814 Request for Consumption History or a secondary request for history data made coincident with an 814 Enrollment Request.

Each 867 transaction contains history interval usage data for a single account for a single commodity (Electric or Gas). The consumption history may be either historic interval usage data or a gas profile.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	010	ST	Transaction Set Header	M	1		
5	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
			LOOP ID - N1			1	
6	080	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
7	080	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
8	080	N1	Name (Customer)	O	1		
9	100	N3	Address Information (Service Address)	O	1		
10~~10~~	110	N4	Geographic Location (Service Address)	O	1		
11~~11~~	120	REF	Reference Identification (Utility Account Number)	O	1		
12	120	REF	Reference Identification (Previous Utility Account Number)	O	1		
13	120	REF	Reference Identification (ISO Location Based Marginal Pricing Zones)	O	1		
14	120	REF	Reference Identification (Gas Pool ID)	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID – PTD			>1	
15~~16~~	010	PTD	Product Transfer and Resale Detail (Metered Summary)	O	1		
16~~17~~	030	REF	Reference Identification (Utility Rate Service Class)	O	1		
17~~18~~	030	REF	Reference Identification (Rate Sub Class)	O	1		
18~~19~~	030	REF	Reference Identification (Load Profile)	O	1		
			LOOP ID – QTY			>1	
19~~20~~	110	QTY	Quantity	O	1		
20	160	MEA	Measurements	O	40		
22~~23~~	210	DTM	Date/Time Reference (Period Start Date)	O	1		
23~~24~~	210	DTM	Date/Time Reference (Period End Date)	O	1		

			LOOP ID – PTD			>1
24~~25~~	010	PTD	Product Transfer and Resale Detail (Unmetered Usage)	O	1	
25~~26~~	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
26~~27~~	030	REF	Reference Identification (Rate Sub Class)	O	1	
27~~28~~	030	REF	Reference Identification (Load Profile)	O	1	
			LOOP ID – QTY			>1
28~~29~~	110	QTY	Quantity	O	1	
29~~30~~	160	MEA	Measurements	O	1	
30	210	DTM	Date/Time Reference (Period Start Date)	O	1	
31	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID – PTD			>1
32~~33~~	010	PTD	Product Transfer and Resale Detail (Metered Consumption Detail)	O	1	
33~~34~~	030	REF	Reference Identification (Meter Number)	O	1	
34~~35~~	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
35~~36~~	030	REF	Reference Identification (Rate Sub Class)	O	1	
36~~37~~	030	REF	Reference Identification (Load Profile)	O	1	
			LOOP ID – QTY			>1
37~~38~~	110	QTY	Quantity	O	1	
38~~39~~	160	MEA	Measurements	O	40	
40	210	DTM	Date/Time Reference (Period Start Date)	O	1	
41	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID – PTD			1
42	010	PTD	Product Transfer and Resale Detail (Additional Information)	O	1	
43	030	REF	Reference Identification (Customer Supply Status)	O	1	
44	030	REF	Reference Identification (Industrial Classification Code)	O	1	
45	030	REF	Reference Identification (Utility Tax Exempt Status)	O	1	
46	030	REF	Reference Identification (Account Settlement Indicator)	O	1	
47	030	REF	Reference Identification (NYPA Discount Indicator)	O	1	
48	030	REF	Reference Identification (Utility Discount Indicator)	O	1	
49	030	REF	Reference Identification (Enrollment Block)	O	1	
50	030	REF	Reference Identification (Bill Cycle Code)	O	1	
			LOOP ID - QTY			>1
51	110	QTY	Quantity (ICAP)	O	1	
52	210	DTM	Date/Time Reference (ICAP Effective Dates)	O	1	
			LOOP ID - QTY			
53	110	QTY	Quantity (Number of Meters)	O	1	
54	030	REF	Reference Identification (Meter Number)	O	1	
			LOOP ID - PTD			>1
55	010	PTD	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	O	1	
56	020	DTM	Date/Time Reference (Period Start Date)	O	1	
57	020	DTM	Date/Time Reference (Period End Date)	O	1	
56~~58~~	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
57~~59~~	030	REF	Reference Identification (Rate Sub Class)	O	1	
58~~60~~	030	REF	Reference Identification (Interval Reading Period)	O	1	
~~59~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period Start Date)~~	~~O~~	~~1~~	
~~60~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period End Date)~~	~~O~~	~~1~~	
			LOOP ID – QTY			>1
61	110	QTY	Quantity (Interval Quantity – Account Level)	O	1	
62	~~125~~210	DTM	Date/Time Reference (Report Period)	O	1	

			LOOP ID – PTD			>1	
63	010	PTD	Product Transfer and Resale Detail (Interval Meter Detail)	O	1		
64	020	DTM	Date/Time Reference (Period Start Date)	O	1		
65	020	DTM	Date/Time Reference (Period End Date)	O	1		
64~~66~~	030	REF	Reference Identification (Meter Number)	O	1		
65~~67~~	030	REF	Reference Identification (Utility Rate Service Class)	O	1		
66~~68~~	030	REF	Reference Identification (Rate Sub Class)	O	1		
67~~69~~	030	REF	Reference Identification (Interval Reading Period)	O	1		
~~68~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period Start Date)~~	~~O~~	~~1~~		
~~69~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period End Date)~~	~~O~~	~~1~~		
			LOOP ID – QTY			>1	
70	110	QTY	Quantity (Interval Quantity – Meter Level)	O	1		
71	~~125~~210	DTM	Date/Time Reference (Report Period)	O	1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
72	030	SE	Transaction Set Trailer	M	1		
E-1			Examples				

Transaction Set Notes:

1. The N1 loop is used to identify the transaction participants.
2. The PTD*BO and/or the PTD*BC and/or the PTD*BQ loops are sent in response to requests for historic usage. A PTD*BG loop may be sent with historic usage to provide gas profile factors.
3. The PTD*BG and the PTD*SM loops are sent by utilities in response to requests for gas profile data.

Segment:	**REF** Reference Identification (Bill Cycle Code)	
Position:	030	
Loop:	PTD Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	20	
Purpose:	To specify identifying information	
Syntax Notes:	1 At least one of REF02 or REF03 is required.	
	2 If either C04003 or C04004 is present, then the other is required.	
	3 If either C04005 or C04006 is present, then the other is required.	
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.	
Comments:		
Notes:	~~Request: Not Used~~	
	~~Enrollment Accept Response:~~ Conditional	
	~~Other Responses: Not Used~~	

Provided if not available from a utility web site on a pre-enrollment basis or at utility's option (as noted in its Utility Maintained EDI Guide).

REF~BF~18
REF~BF~17~MON

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			BF Billing Center Identification		
			Billing cycle. Cycle number indicating when this customer is scheduled for billing.		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			A 2 digit code indicating when a scheduled bill is prepared for the customer. Some companies may bill on a cycle other than the read cycle. In this case this code could be used to retrieve the scheduled billing date from the utility's web site.		
Cond.	**REF03**	**352**	**Description**	**O**	**AN 1/80**
			When present, indicates the frequency with which the account is billed by the utility. This element should be sent in a Historical Usage/Gas Profile transaction when information regarding the bill cycle codes on the web site or the data sent in REF02 is insufficient to describe both when and how frequently the account is scheduled to be billed.		
			BIM Bimonthly		
			MON Monthly		
			QTR Quarterly		

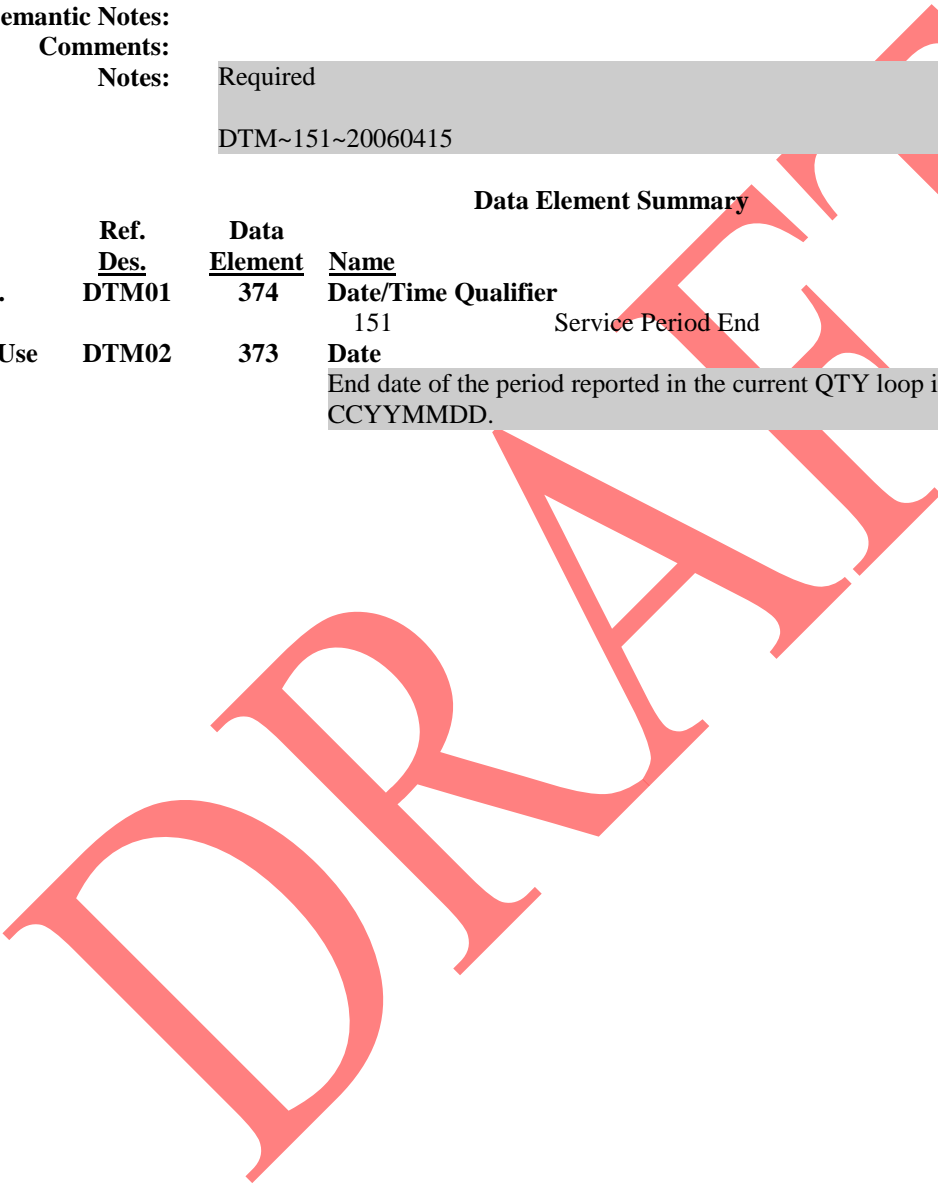|		
Segment:	**DTM** Date/Time Reference (Period Start Date)	
Position:	~~070~~020	
Loop:	PTD	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	
	DTM~150~20060315	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
			150 Service Period Start	
Must Use	**DTM02**	**373**	**Date**	**X DT 8/8**
			Start date of the period reported in the current QTY loop in the form CCYYMMDD.	

Segment:	**DTM** Date/Time Reference (Period End Date)
Position:	~~070~~020
Loop:	PTD Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	Required
	DTM~151~20060415

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			151 Service Period End	
Must Use	DTM02	373	Date	X DT 8/8
			End date of the period reported in the current QTY loop in the form CCYYMMDD.	

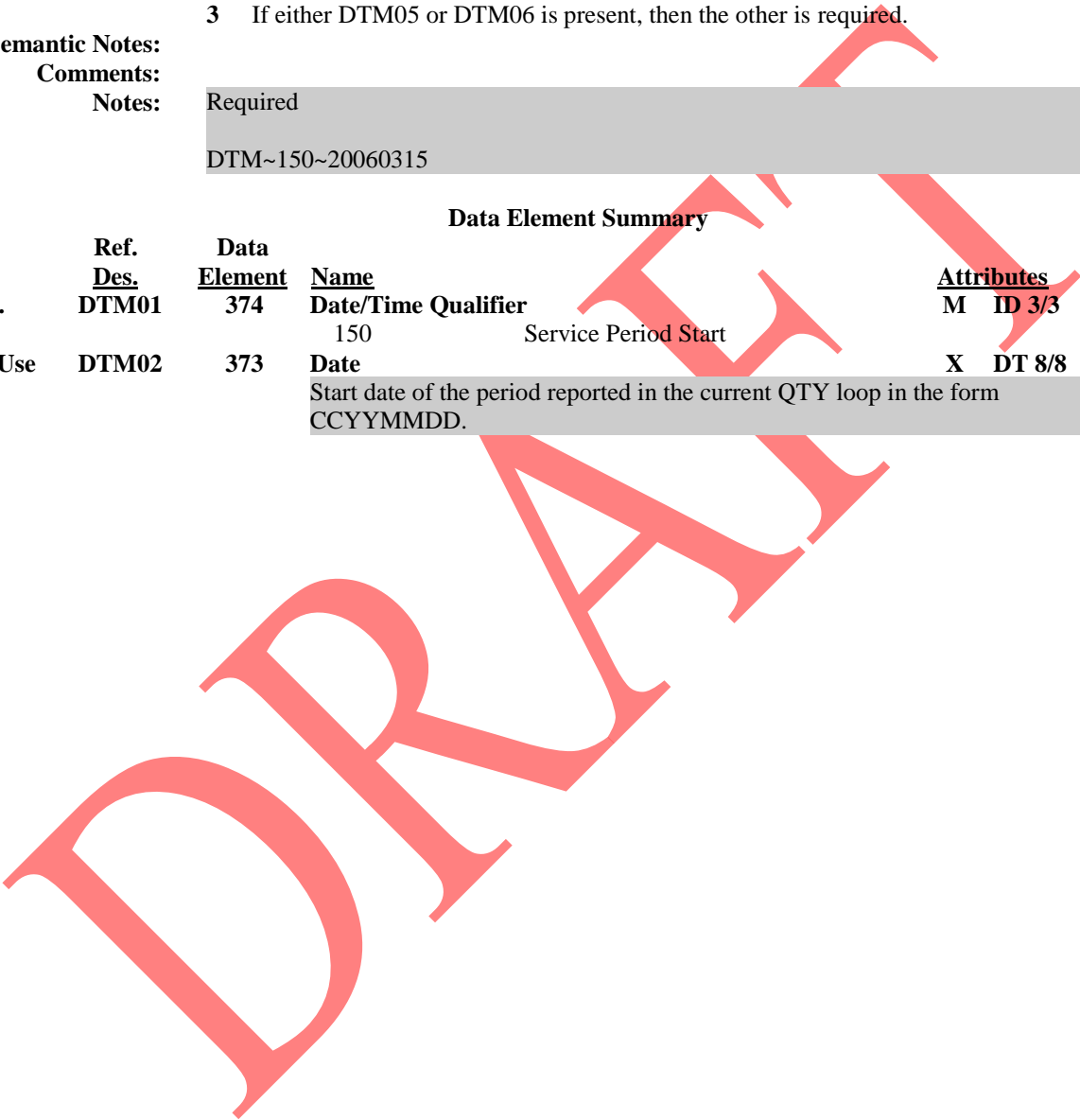|		
Segment:	**DTM** Date/Time Reference (Report Period)	
Position:	~~125~~210	
Loop:	QTY	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	
	DTM~582~20170104~1500~ES	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
			582 Report Period	
			The date/time of the end of the interval.	
Must Use	**DTM02**	**373**	**Date**	**X DT 8/8**
			Report Period	
			Date expressed as CCYYMMDD	
Must Use	**DTM03**	**337**	**Time**	**X TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM	
			HHMM format	
Must Use	**DTM04**	**623**	**Time Code**	**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow.

The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time.

     ED   Eastern Daylight Time
     ES   Eastern Standard Time

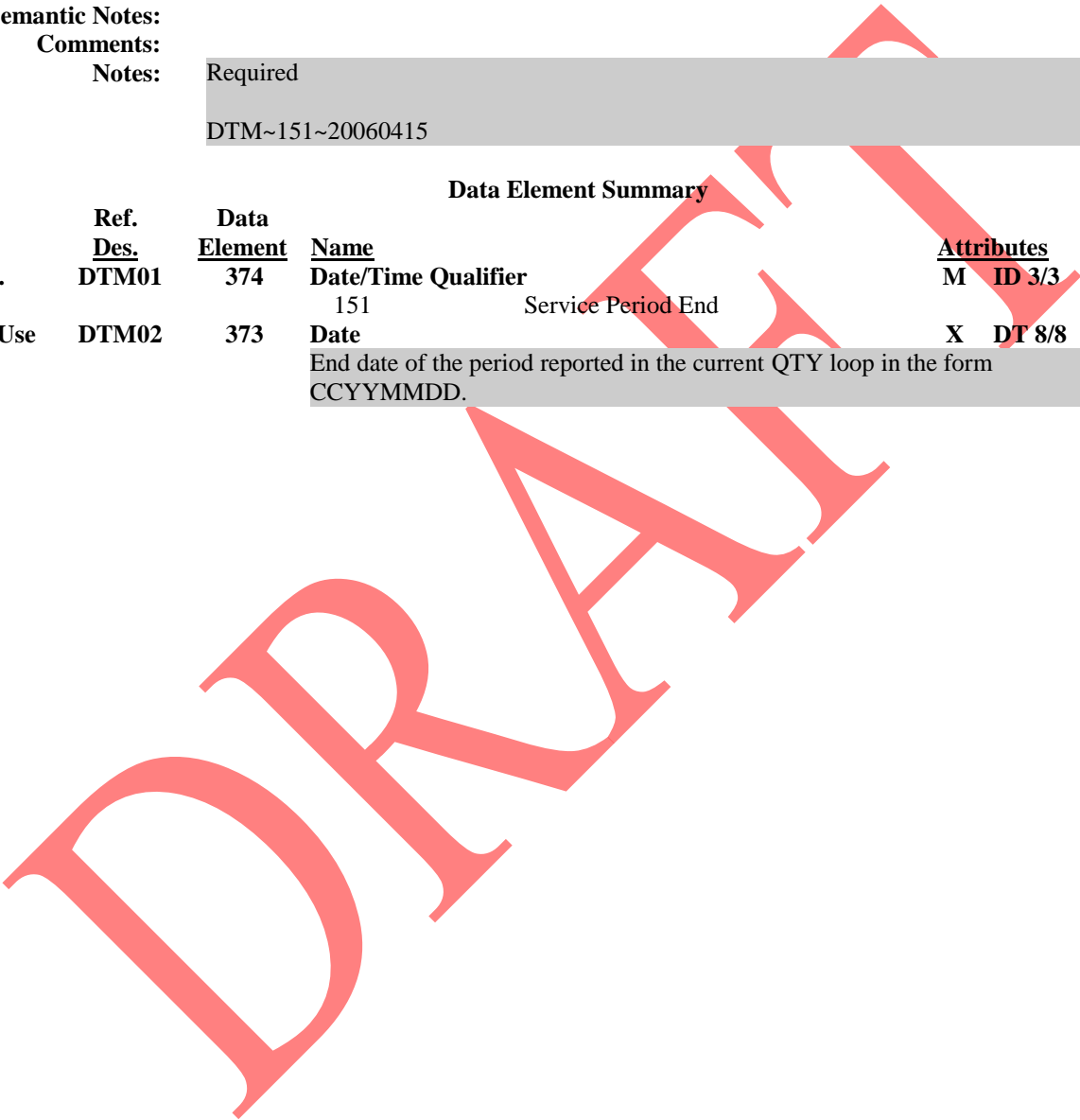|		
Segment:	**DTM** Date/Time Reference (Period Start Date)	
Position:	~~070~~020	
Loop:	PTD	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	
	DTM~150~20060315	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			150 Service Period Start		
Must Use	DTM02	373	**Date**	X	DT 8/8
			Start date of the period reported in the current QTY loop in the form CCYYMMDD.		

Segment:	**DTM** Date/Time Reference (Period End Date)	
Position:	~~070~~020	
Loop:	PTD	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	

DTM~151~20060415

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			151 Service Period End	
Must Use	DTM02	373	Date	X DT 8/8
			End date of the period reported in the current QTY loop in the form CCYYMMDD.	

Segment:	**DTM** Date/Time Reference (Report Period)	
Position:	~~125~~210	
Loop:	QTY	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	

DTM~582~20170104~1500~ES

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
		582	Service Period Start	
			The date/time of the end of the interval	
Must Use	**DTM02**	**373**	**Date**	**X DT 8/8**
			Start date of the period reported in the current QTY loop in the form CCYYMMDD.	
Must Use	**DTM03**	**337**	**Time**	**X TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM HHMM format	
Must Use	**DTM04**	**623**	**Time Code**	**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow.

The time code must accurately provide the time zone when the daylight savings time starts and ends if the meter is adjusted for daylight savings time. If meter is not adjusted for daylight savings time, the time code will always reflect Eastern Daylight Time which will be interpreted as prevailing time.

	ED	Eastern Daylight Time
	ES	Eastern Standard Time

867HU IG

Segment:	**REF** Reference Identification (Bill Cycle Code)
Position:	030
Loop:	PTD Mandatory
Level:	Detail
Usage:	Optional
Max Use:	20
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	~~Request:~~ ~~Not Used~~
	~~Enrollment Accept Response:~~ Conditional
	~~Other Responses:~~ ~~Not Used~~
	Provided if not available from a utility web site on a pre-enrollment basis or at utility's option (as noted in its Utility Maintained EDI Guide).
	REF~BF~18
	REF~BF~17~MON

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Mand.	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			BF Billing Center Identification		
			Billing cycle. Cycle number indicating when this customer is scheduled for billing.		
Must Use	**REF02**	**127**	**Reference Identification**	**X**	**AN 1/30**
			A 2 digit code indicating when a scheduled bill is prepared for the customer. Some companies may bill on a cycle other than the read cycle. In this case this code could be used to retrieve the scheduled billing date from the utility's web site.		
Cond.	**REF03**	**352**	**Description**	**O**	**AN 1/80**
			When present, indicates the frequency with which the account is billed by the utility. This element should be sent in a Historical Usage/Gas Profile transaction when information regarding the bill cycle codes on the web site or the data sent in REF02 is insufficient to describe both when and how frequently the account is scheduled to be billed.		
			BIM Bimonthly		
			MON Monthly		
			QTR Quarterly		

867MIU DD

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
99	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-
100	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
101	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-
102	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
99103	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	The rate class associated with the meter or service end point being reported is required.
10440	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.		AN(1/30)	Required	When a REF*NH segment is sent, this element is required.
10541	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.
10642	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	When a REF*PR segment is sent, this element is required.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
1073	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
1084	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
105	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	070	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-
106	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	070	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
107	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-
108	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
109	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*XY IA loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.

| 110 | Quantity | QTY Loop | QTY | DTL | 110 | 02 | Quantity | Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported. | | R(1/15) | Required | Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros. |

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
111	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
112	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
113	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	02	Date		CCYYMMDD	DT(8/8)	Required	
114	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	03	Time		HHMM	TM(4/8)	Required	
115	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
116	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	01	Product Transfer Type Code	Code indicating that this PTD loop contains metered usage data by each individual metered service point on the account for the commodity being reported.	PM	ID(2/2)	Conditional	Beginning of 5TH PTD Loop - This PTD loop is used to report interval meter data by meter. Unless beginning and ending 'reads' are being used to describe unmetered consumption, that data should not be sent in this loop but in PTD*BC.
117	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	04	Reference Identification Qualifier	Indicates that PTD05 identifies the commodity reported in this loop.	OZ	ID(2/3)	Required	
118	Product Transfer and Resale Detail (Interval Meter Detail)	PTD Loop	PTD	DTL	010	05	Reference Identification	Code indicating commodity type	EL or GAS	AN(1/30)	Required	
119	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
120	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
121	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-
122	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	020	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
~~119~~ 23	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility assigned meter number for the service end point being reported in this PTD loop.	MG	ID(2/3)	Conditional	A meter number OR a service point id number must be provided for each measurement point being reported in this PTD loop.
12~~0~~4	Reference Identification (Meter Number)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility assigned meter number	Meter #	AN(1/30)	Required	When REF*MG is sent, the 02 element is required.
12~~1~~5	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility service class associated with the metered usage data contained in this PTD loop for the account being reported.	NH	ID(2/3)	Required	The rate class associated with the meter or service end point being reported is required.
~~122~~ 26	Reference Identification (Rate Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Utility rate code as found in the tariff associated with the metered usage data contained in this PTD loop.		AN(1/30)	Required	When a REF*NH segment is sent, this element is required.
~~123~~ 27	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the utility rate subclass associated with the metered usage data contained in this PTD loop for the account being reported.	PR	ID(2/3)	Conditional	Used when further clarification of a rate is provided.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
124 28	Reference Identification (Rate Sub Class)	PTD Loop	REF	DTL	030	02	Reference Identification	Code indicating the sub class associated with the REF NH segment for the metered usage data in this PTD loop for the account and commodity being reported.		AN(1/30)	Required	When a REF*PR segment is sent, this element is required.
125 29	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	01	Reference Identification Qualifier	Code indicating that REF02 contains the Utility Interval Reading Period for the service end point being reported in this PTD loop.	MT	ID(2/3)	Conditional	Used to provide clarification of interval meter data reading period.
126 30	Reference Identification (Interval Reading Period)	PTD Loop	REF	DTL	030	02	Reference Identification	The type and reporting interval for consumption measurements are described in a five-character field. The first two characters are used to describe the type of consumption. The last three characters describe the reporting interval.	Interval Reading Period	AN(1/30)	Required	When REF*MT is sent, the 02 element is required.
127	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	070	01	Date/Time Qualifier	Code indicating that DTM02 contains the start date for the usage period being reported in this PTD loop.	150	ID(3/3)	Required	-
128	Date/Time Reference (Period Start Date)	PTD Loop	DTM	DTL	070	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
129	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	01	Date/Time Qualifier	Code indicating that DTM02 contains the end date for the usage period being reported in this PTD loop.	151	ID(3/3)	Required	-

130	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070	02	Date	-	CCYYMMDD	DT(8/8)	Required	-
131	Quantity	QTY Loop	QTY	DTL	110	01	Quantity Qualifier	Code indicating whether the consumption in this PTD loop is actual, estimated or billed consumption.	QD=Period Actual KA=Period Estimated 20=Missing Read	ID(2/2)	Required	When a PTD*PM loop is being sent, A QTY segment is required. This element indicates the character of the value being provided in QTY02.

Row No	NY DD Field Name	Loop ID	Segment	Level	Position	Ref Desc	Name	Description	Code	Data Type	Response	Comments
132	Quantity	QTY Loop	QTY	DTL	110	02	Quantity	Quantity of recorded usage for the type indicated in QTY03 for the period indicated in DTM*582 for this PTD loop for the account and commodity being reported.		R(1/15)	Required	Data elements whose X12 attribute type is 'R' are treated as real numbers. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; therefore a decimal point must be sent when decimal precision is required. Note that in transmitting real numbers it is acceptable, but not necessary, to transmit digits that have no significance i.e. leading or trailing zeros.
133	Quantity	QTY Loop	QTY	DTL	110	03	Unit or Basis for Measurement Code	Use these codes to describe the measurement units associated with the quantity sent in MEA03.	HH or KH	ID(2/2)	Required	
134	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	01	Date/Time Qualifier	Code indicating that DTM02 and DTM03 contain the end date and time for the usage period being reported in this PTD loop.	582	ID(3/3)	Required	
135	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	02	Date		CCYYMMDD	DT(8/8)	Required	
136	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	03	Time		HHMM	TM(4/8)	Required	
137	Date/Time Reference (Period End Date)	PTD Loop	DTM	DTL	070210	04	Time Code	Time Zone for the period being reported in DTM02 and DTM03.	ED – Eastern Daylight Time ES – Eastern Standard Time	ID(2/2)	Optional	
138	Transaction Set Trailer	None	SE	DTL	180	01	Number of Included Segments	Number of segments in this transaction.	#	NO(1/10)	Required	
139	Transaction Set Trailer	None	SE	DTL	180	02	Transaction Set Control Number		ST02	AN(4/9)	Required	See ST02.

867MIU IG

867 Interval Usage

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.

Notes:

This document contains the format and structure for the 867 transaction used to communicate either current billed consumption, current metered usage, calendar month estimated consumption or an Interim Bill Notice. Each 867 transaction contains current usage for a single Electric account.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4~~1~~	010	ST	Transaction Set Header	M	1		
5	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
6	050	DTM	Date/Time Reference (Next Meter Read Date)	O	1		
			LOOP ID - N1			1	
7	080	N1	Name (ESCO)	O	1		
			LOOP ID - N1			1	
8	080	N1	Name (Utility)	O	1		
			LOOP ID - N1			1	
9	080	N1	Name (Customer)	O	1		
10	100	N3	Address Information (Service Address)	O	1		
11	110	N4	Geographic Location (Service Address)	O	1		
12	120	REF	Reference Identification (ESCO Customer Account Number)	O	1		
13	120	REF	Reference Identification (Utility Account Number)	O	1		
14	120	REF	Reference Identification (Previous Utility Account Number)	O	1		
~~14~~15	120	REF	Reference Identification (Bill Option)	O	1		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
16~~15~~	010	PTD	Product Transfer and Resale Detail (Metered Consumption Summary)	M	1		
17	030	REF	Reference Identification (Utility Rate Service Class)	O	1		
18	030	REF	Reference Identification (Rate Sub Class)	O	1		
			LOOP ID - QTY			>1	
19	110	QTY	Quantity (Number of Meters)	O	1		
~~19~~20	140	AMT	Monetary Amount (Back Out Credit)	O	1		
~~20~~21	160	MEA	Measurements	O	40		
24	210	DTM	Date/Time Reference (Period Start Date)	O	1		
~~24~~25	210	DTM	Date/Time Reference (Period End Date)	O	1		

			LOOP ID - PTD			>1
26	010	PTD	Product Transfer and Resale Detail (Un-metered Consumption)	M	1	
27	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
28	030	REF	Reference Identification (Rate Sub Class)	O	1	
			LOOP ID - QTY			>1
29	110	QTY	Quantity (Number of Meters)	O	1	
30	140	AMT	Monetary Amount (Back Out Credit)	O	1	
~~30~~31	160	MEA	Measurements	O	40	
32	210	DTM	Date/Time Reference (Period Start Date)	O	1	
~~32~~33	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID - PTD			>1
~~33~~34	010	PTD	Product Transfer and Resale Detail (Metered Consumption Detail)	M	1	
35	030	REF	Reference Identification (Meter Number)	O	1	
36	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
37	030	REF	Reference Identification (Rate Sub Class)	O	1	
			LOOP ID - QTY			>1
38	110	QTY	Quantity (Number of Meters)	O	1	
39	140	AMT	Monetary Amount (Back Out Credit)	O	1	
40	160	MEA	Measurements	O	40	
43	210	DTM	Date/Time Reference (Period Start Date)	O	1	
44	210	DTM	Date/Time Reference (Period End Date)	O	1	
			LOOP ID - PTD			>1
45	010	PTD	Product Transfer and Resale Detail (Interval Usage Summary – Account Level)	M	1	
46	020	DTM	Date/Time Reference (Period Start Date)	O	1	
47	020	DTM	Date/Time Reference (Period End Date)	O	1	
~~46~~48	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
~~47~~49	030	REF	Reference Identification (Rate Sub Class)	O	1	
~~48~~50	030	REF	Reference Identification (Interval Reading Period)	O	1	
~~49~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period Start Date)~~	~~O~~	~~1~~	
~~50~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period End Date)~~	~~O~~	~~1~~	
			LOOP ID - QTY			>1
51	110	QTY	Quantity (Interval Quantity - Account Level)	O	1	
52	210	DTM	Date/Time Reference (Report Period)	O	1	
			LOOP ID – PTD			>1
53	010	PTD	Product Transfer and Resale Detail (Interval Meter Detail)	M	1	
54	020	DTM	Date/Time Reference (Period Start Date)	O	1	
55	020	DTM	Date/Time Reference (Period End Date)	O	1	
~~54~~56	030	REF	Reference Identification (Meter Number)	O	1	
~~55~~57	030	REF	Reference Identification (Utility Rate Service Class)	O	1	
~~56~~58	030	REF	Reference Identification (Rate Sub Class)	O	1	
~~57~~59	030	REF	Reference Identification (Interval Reading Period)	O	1	
~~58~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period Start Date)~~	~~O~~	~~1~~	
~~59~~	~~070~~	~~DTM~~	~~Date/Time Reference (Period End Date)~~	~~O~~	~~1~~	
			LOOP ID – QTY			>1
60	110	QTY	Quantity (Interval Quantity- Meter Level)	O	1	
61	210	DTM	Date/Time Reference (Report Period)	O	1	

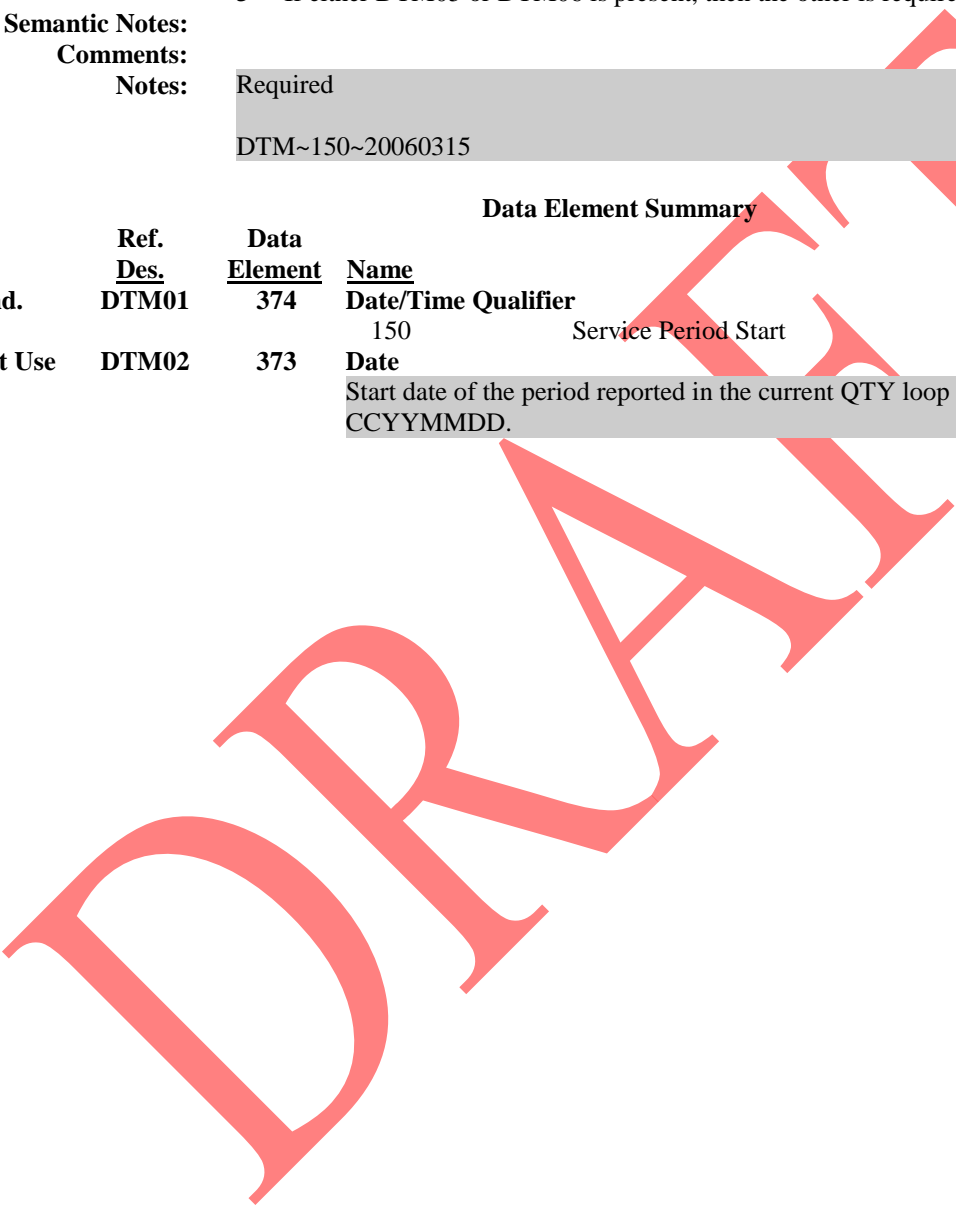|		
Segment:	**DTM** Date/Time Reference (Period Start Date)	
Position:	~~070~~020	
Loop:	PTD	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	

DTM~150~20060315

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand.	DTM01	374	Date/Time Qualifier	M ID 3/3
			150 Service Period Start	
Must Use	DTM02	373	Date	X DT 8/8
			Start date of the period reported in the current QTY loop in the form CCYYMMDD.	

Segment:	**DTM** Date/Time Reference (Period End Date)	
Position:	~~070~~020	
Loop:	PTD	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.
	2	If DTM04 is present, then DTM03 is required.
	3	If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:		
Comments:		
Notes:	Required	
	DTM~151~20060415	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	DTM01	374	Date/Time Qualifier	M	ID 3/3
			151　　　　Service Period End		
Must Use	DTM02	373	Date	X	DT 8/8
			End date of the period reported in the current QTY loop in the form CCYYMMDD.		