EDI 867
Implementation Guide

Meter Interval and Historical Usage Reporting
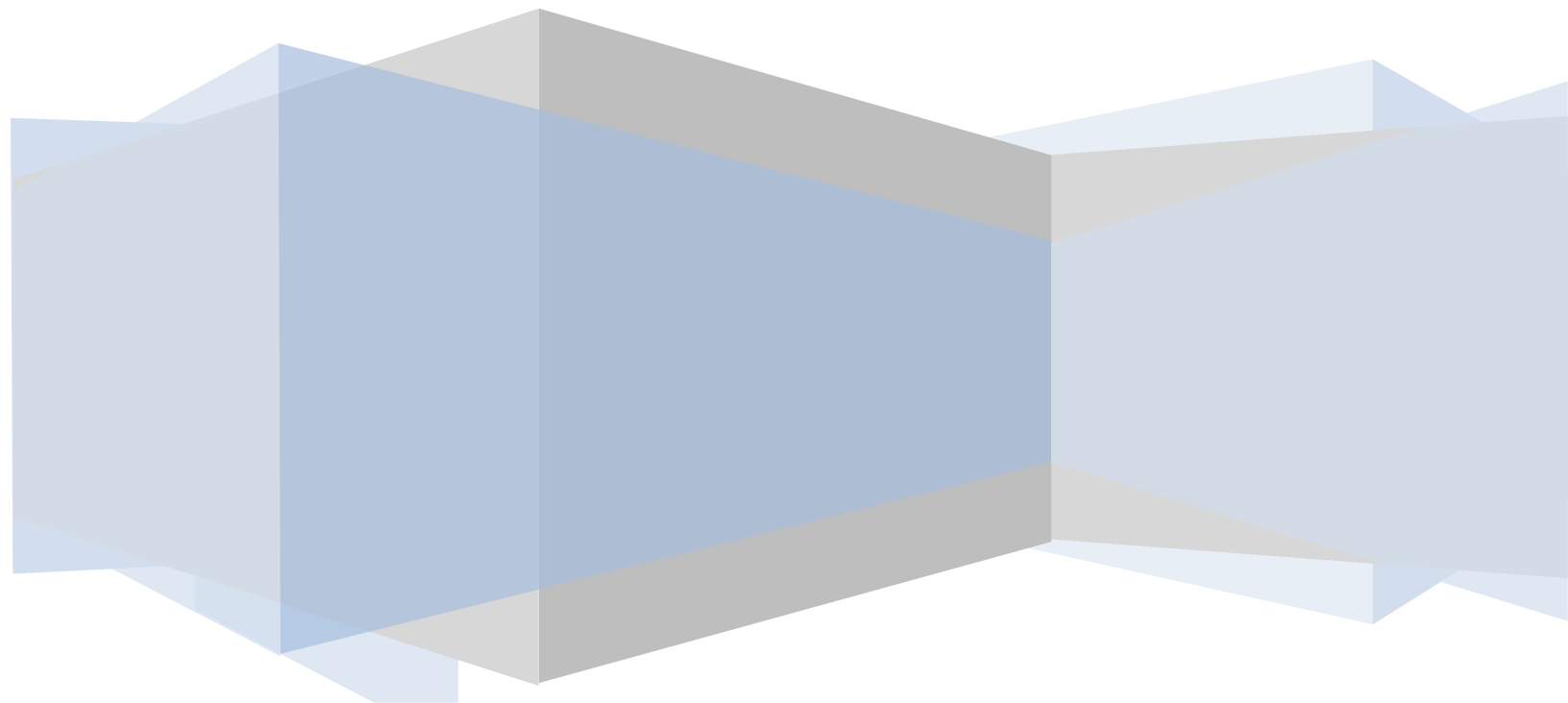
Document Revision Notes

Date	Revision Notes
12/01/2015	Initial draft
12/7/2015	PTD05 Data Element: 127: removed verbiage "SDG&E will not use this code."
2/24/2016	Added wording to MEA02 Notes: " The Multiplier value will be sent as a '1' in MEA03".
5/11/2016	Consolidated electric and gas into one guide
3/01/2025	Added New Codes REF01 Position 030 PTD – Added code CF (CARE/FERA) REF01 Position 030 PTD – Added code M7 (Medical Allotment) REF01 Position 030 PTD – Added code MR4 (NEM Version REF01 Position 030 PTD – Added code MR5 (Virtual Net Billing) REF01 Position 030 PTD – Added code NH (Utility Rate)

867 Product Transfer and Resale Report

Best Practices
Global Best Practices

997 - Functional Acknowledgment
- The purpose of the 997 is to verify receipt of a transmitted document only, not the acceptance of the document. A 997 will NOT be returned to the sender per 867 transaction set.

- A 997 Functional Acknowledgment will NOT be used for confirming incoming and outgoing 867 Transaction Sets.

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 (DUNS) Number
- Dun & Bradstreet assigns a nine-digit identification number to every business entity. This number, known as the DUNS number, should be used to identify the trading partners.

Capitalization
- The use of all upper case (capital) letters is mandatory.

Transaction Set File Level
- FILE LEVEL: SDG&E requires one transaction set type (i.e. 867) per file. In other words, a given file will contain a maximum of one transaction set type.

- FOLDER LEVEL: SDG&E requires one transaction set type (i.e. 867) per folder.

Valid Data

- SDG&E will **reject** all data that is not ANSI - X12 compliant.

- SDG&E will **ignore** codes and related data content which can pass ANSI-X12 validation but are not explicitly stated in our 867 Implementation Guide.

Document-Specific Best Practices

Use of The PTD Segment

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

- SDG&E will not summarize the total consumption from multiple meters in a separate PTD loop as allowed in the 867 Transaction Set.

- Non-metered accounts will be identified by the use of the SU code in the PTD02 field.

Use of The QTY Loop

- For Interval data: Each QTY/DTM loop conveys consumption/usage information about one metering interval for the meter identified in the PTD/REF segment.

- For Monthly/Cumulative data: Each QTY/MEA/DTM loop conveys consumption (usage/reads) information about one metering interval for the meter identified in the PTD/REF segment.

- For Interval data: Each QTY/DTM(POS210) loop is required for each 15 minute interval

- For Monthly/Cumulative data: MEA05 is optional. MEA06 is required. SDG&E will only use MEA06 to communicate ending reads. MEA05 will not be sent.

Use of The N1 Segment

- When you are a utility acting as a MDMA, you will identify yourself as both the MDMA (55) and the utility (8S). In addition, if you are the MDMA and the ESP, you will identify yourself as both the MDMA (55) and the ESP (SJ), otherwise provide a third party MDMA's Dun & Bradstreet Number.

General Use

- All items marked with this symbol (**>>**) are required.

867 Product Transfer and Resale Report

Functional Group ID=PT

Introduction:

This document 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:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
11	010	ST	Transaction Set Header	M	1		
12	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
			LOOP ID - N1			5	
14	080	N1	Name	O	1		
16	120	REF	Reference Identification	O	12		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
17	010	PTD	Product Transfer and Resale Detail	M	1		
18	020	DTM	Date/Time Reference	O	10		
19	030	REF	Reference Identification	O	20		
			LOOP ID - QTY			>1	
21	110	QTY	Quantity	O	1		
22	160	MEA	Measurements	O	40		
24	210	DTM	Date/Time Reference	O	10		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
25	030	SE	Transaction Set Trailer	M	1		

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

Data Element Summary

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

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

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
Syntax Notes:	
Semantic Notes:	1 BPT02 identifies the transfer/resale number.
	2 BPT03 identifies the transfer/resale date.
	3 BPT08 identifies the transfer/resale time.
	4 BPT09 is used when it is necessary to reference a Previous Report Number.
Comments:	1 BPT01 = 07 is used if previously furnished information is being provided in a new file. In this case, or if data points have been corrected, only the corrected meters' data need to be provided, even if multiple meters were originally sent. If a previously transmitted file is simply being reposted for download from a server, the original designation of BPT01 = 00 or CO does not need to be changed.
Notes:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	BPT01	353	**Transaction Set Purpose Code**	**M ID 2/2**

Code identifying purpose of transaction set

00	Original	
	Conveys original readings for the account being reported.	
07	Duplicate	
	Indicates that this is a retransmission of previously furnished information. A resend.	
52	Response to Historical Inquiry	
	Response to a request for historical meter reading.	
CO	Corrected	
	Indicates that the readings previously reported for the account are being corrected.	

R	BPT02	127	**Reference Identification**	**O AN 1/30**

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

A unique transaction identification number, assigned by the originator. Recommended for CA.

>>	BPT03	373	**Date**	**M DT 8/8**

Date expressed as CCYYMMDD

Date when the MDMA record is created by the application (CCYYMMDD)

>>	BPT04	755	**Report Type Code**	**O ID 2/2**

Code indicating the title or contents of a document, report or supporting item

BR	Benchmark Test Results	
	Special Meter Reads	
C1	Cost Data Summary	
	Interval values	
C2	Functional Cost and Hour	
	Cumulative values reported by time-of-use period	

		DD		Distributor Inventory Report	

Cumulative values without time-of-use information

>>	BPT08	337	Time	O	TM 4/8

Time when the MDMA record is created by the application (HHMM)

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

Syntax Notes:
1. At least one of N102 or N103 is required.
2. If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:
1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. Three N1 segments will be used in California, with N101 = 55, 8S, and SJ, unless the values of N104 corresponding to N101 = 8S or SJ would duplicate the value corresponding to N101 = 55. The end-use customer's account numbers for the meter data management agent (N101 = 55), utility (N101 = 8S), and the energy service provider (N101 = SJ) must be placed in REF segments following these N1 segments, with REF01 = 10, 12, and 11, respectively.
3. When N101 = 55 (Meter Data Management Agent), N106 = 41 (Submitter). When N101 = 8S (Utility) and SJ (Energy Service Provider), N106 = 40 (Receiver).

Notes:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	N101	98	**Entity Identifier Code**		**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			55	Service Manager	
				Person responsible for service department Used to identify the party that manages meter data on behalf of another. Often referred to as the Meter Data Management Agent (MDMA).	
			8S	Consumer Service Provider (CSP)	
				Utility (LDC)	
			SJ	Service Provider	
				Identifies name and address information as pertaining to a service provider for which billing is being rendered Energy Service Provider (ESP)	
>>	N103	66	**Identification Code Qualifier**		**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			1	D-U-N-S Number, Dun & Bradstreet	
>>	N104	67	**Identification Code**		**X AN 2/80**
			Code identifying a party or other code		
>>	N106	98	**Entity Identifier Code**		**O ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			40	Receiver	
				Entity to accept transmission	
				Entity receiving transaction set	
			41	Submitter	

Entity transmitting transaction set

	Segment:		**REF** Reference Identification

Segment: **REF** Reference Identification
Position: 120
Loop: N1   Optional
Level: Heading
Usage: Optional (Must use)
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments: 1   See Comments related to the N1 segment.
Notes:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	REF01	128	**Reference Identification Qualifier**	M ID 2/3
			Code qualifying the Reference Identification	
		06	System Number	
			A customer/commodity and location specific identifier.	
			SDG&E will not use this code.	
>>		10	Account Managers Code	
			Identifies the telecommunications manager assigned to this account	
			Meter Data Management Agent (MDMA)-assigned account number for the end use customer.	
>>		11	Account Number	
			Number identifies a telecommunications industry account	
			Energy Service Provider (ESP)-assigned account number for the end use customer.	
>>		12	Billing Account	
			Account number under which billing is rendered	
			Utility-assigned account number for the end use customer.	
>>	REF02	127	**Reference Identification**	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	**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
Syntax Notes:	1 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:	
Comments:	1 The PTD loop conveys consumption information for one meter or register, and for one commodity for metered service, over a number of metering intervals. Accounts which have multiple meters or registers require multiple PTD loop; the total consumption from multiple meters may be summarized in another PTD loop, qualified by SU, at the option of the Meter Data Management Agent. Accounts which have multiple services (e.g., both electric and gas) or multiple metered commodities require separate PTD loops for each service or commodity. For unmetered service, multiple commodities may be reported in a single PTD loop.
Notes:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	PTD01	521	**Product Transfer Type Code**	**M ID 2/2**
			Code identifying the type of product transfer	
			PM Physical Meter Information	
			Physical Meter Information, including data from a meter, totalizer, or recorder.	
			SU Summary	
			Information provided is summarized/totalized by account or by meter. Use of SU also includes the reporting of unmetered service.	
>>	PTD04	128	**Reference Identification Qualifier**	**X ID 2/3**
			Code qualifying the Reference Identification	
			Code qualifying the Reference Identification provided in PTD05.	
			OZ Product Number	
>>	PTD05	127	**Reference Identification**	**X AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			EL Electric Service	
			GS Gas Service	

Segment:	**DTM** Date/Time Reference
Position:	020
Loop:	PTD Mandatory
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 If either DTM05 or DTM06 is present, then the other is required.
	2 At least one of DTM02 DTM03 or DTM06 is required.
Semantic Notes:	
Comments:	
Notes:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	DTM01	374	**Date/Time Qualifier**	**M ID 3/3**
			Code specifying type of date or time, or both date and time	
			150 Service Period Start	
			151 Service Period End	
			MRR Date of Special Meter Read	
>>	DTM05	1250	**Date Time Period Format Qualifier**	**X ID 2/3**
			Code indicating the date format, time format, or date and time format	
			DT Date and Time Expressed in Format CCYYMMDDHHMM	
>>	DTM06	1251	**Date Time Period**	**X AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times	
			Service Period Start or End Date	

Segment:	**REF** Reference Identification
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.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	1 See Comments related to the N1 segment.
Notes:	

Data Element Summary

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

Code qualifying the Reference Identification

	6W	Sequence Number

Identifies channel number when there is more than one channel on a meter measuring the same quantity (e.g. two kWh channels).

	CF	CARE/FERA Indicator (See REF02 for valid values)
>>	JH	Tag

Meter Role. Valid values for REF02 are:
A = Additive (this consumption contributes to the total for the account),
S = Subtractive (this consumption must be subtracted from the total for the account). SDG&E does not use this code

>>	LU	Location Number

Identifier for the Service Delivery Point (SDP). (See REF03 for valid use and values.)

	MG	Meter Number

If PTD01=SU for multiple meter, no meter number value is required.

	M7	Medical Allotment (See REF02 for valid values)
	MR4	NBT/NEM Version
	MR5	Virtual NBT Indicator Y/N
	MT	Meter Ticket Number

Meter Data Type (see examples in REF02)

	NH	Utility Rate

Service Indicator for non-metered accounts. Use REF02 = U if applicable.

	SC	Shipper Car Order Number

Service Indicator for non-metered accounts. Use REF02 = U if applicable.

>>   **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

When REF01 is MT, the meter type is expressed as a 5-character field that identifies the type of consumption measured by this meter and the interval between measurements. The first two characters are the type of consumption, expressed in the units of measure from Data Element 355, as follows:

     K1   Kilowatt Demand

Represents potential power load measured at predetermined intervals

     K2   Kilovolt Amperes Reactive Demand

Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds defined parameters (KVAR)

     K3   Kilovolt Amperes Reactive Hour

Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters (KVARH)

     KH   Kilowatt Hour

The 3-character metering interval is expressed as one of the following values: Nnn = number of minutes from 001 to 999, or MON = monthly. For example, KHMON represents kWh per month, K1MON represents maximum kW demand during the month, and KH015 represents kWh per hourly interval.

     GS   Gas Service

     LU   When REF01 is LU, REF02 is not used.

     CF   CARE/FERA Indicator
                         When REF01 is CF, valid values for REF02 are:
                         E-CARE / NB-CA Alternate Rates for Energy
                         E-FERA / NB – Family Electric Rate Assistance
                         N – No CARE/FERA

     M7   Medical Allotment
                         When REF01 is M7, valid values for REF02 are:
                         Number of Medical Allotment Units
                         N – No Medical Allotment

REF03   352   **Description**   **X AN 1/80**

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

If REF02 value is NOT "LU". When REF01 is LU, REF03 must be used and contains the SDP Code assigned by the utility.

Segment:		**QTY** Quantity			
Position:		110			
Loop:		QTY	Optional		
Level:		Detail			
Usage:		Optional (Must use)			
Max Use:		1			
Purpose:		To specify quantity information			
Syntax Notes:		1	At least one of QTY02 or QTY04 is required.		
		2	Only one of QTY02 or QTY04 may be present.		
Semantic Notes:		1	QTY04 is used when the quantity is non-numeric.		
Comments:		1	Each QTY/MEA/DTM loop conveys consumption information about one metering interval. QTY02 reports billable quantities, including demands, while MEA05 and MEA06 report meter readings that are used to determine the billable quantities.		
		2	If MEA03 contains a multiplier, QTY02 equals the product of the multiplier and the meter readings reported in MEA05 and MEA06. Until it is resolved by UIG whether a MEA segment containing a multiplier (MEA02 = MU) can also contain meter reads, it is recommended that the multiplier should be placed in a separate MEA segment within the QTY loop.		
		3	QTY03 is not required if the unit of measurement has been defined by the REF02 value corresponding to REF01 = MT.		
Notes:					

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	QTY01	673	**Quantity Qualifier**		M ID 2/2
			Code specifying the type of quantity		
			32	Quantity Sold	
				Normal data transmission (not estimated, adjusted, or anomalous)	
			87	Quantity Received	
				Received from the customer in a co-generation environment.	
			A5	Adjusted Quantity	
				Adjusted value to correct metering inconsistencies or errors.	
			AO	Verified Receipts	
				Verified - data is actual but appears anomalous	
			KA	Estimated	
				The quantity shown is an estimated quantity	
				Data that has been calculated based on standard estimation rules.	
>>	QTY02	380	**Quantity**		X R 1/15
			Numeric value of quantity		

Segment:	**MEA** Measurements
Position:	160
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	1 If MEA05 is present, then MEA04 is required.
	2 If MEA06 is present, then MEA04 is required.
	3 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
	4 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	For interval meter data, the MEA segment is not used by SDG&E. If used, this segment should be sent with the first iteration of the QTY loop for interval meter data, 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.
	For cumulative data, MEA06 is required if the service is <u>metered</u>, and contains the meter read at the end of the billing period. MEA05 is optional.
	MEA05 and MEA06 report meter readings that are used to determine billable quantities, while QTY02 reports the billable quantities, including demands.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	MEA02	738	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies	O ID 1/3
			MU Multiplier Billing constant. The factor multiplied by the meter readings to obtain the true kWh usage. Calculation constant. The Multiplier value will be sent as a '1' in MEA03.	
			CF Cubic Feet, Gas billing multiplier. The therm factor multiplied by the meter readings to obtain therms.	
>>	MEA03	739	**Measurement Value** The value of the measurement	X R 1/20
			Represents the billing constant when MEA02 equals "MU". When no multiplier is present, or when no value is contained in MEA05 or MEA06, use a value of 1. SDG&E sends a "1" for cumulative data.	
>>	MEA04	C001	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use).	X

>>	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M ID 2/2**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

K1   Kilowatt Demand
Represents   potential   power   load   measured   at   predetermined
intervals
K2   Kilovolt Amperes Reactive Demand
Reactive power that must be supplied for specific types of
customer's equipment; billable when kilowatt demand usage meets
or exceeds a defined parameter
K3   Kilovolt Amperes Reactive Hour
Represents actual electricity equivalent to kilowatt hours; billable
when usage meets or exceeds defined parameters
K4   Kilovolt Amperes
Measure of electrical power
KH   Kilowatt Hour
TD   Therms

	MEA05	**740**	**Range Minimum**	**X R 1/20**

The value specifying the minimum of the measurement range

Beginning reading (optional)

>>	**MEA06**	**741**	**Range Maximum**	**X R 1/20**

The value specifying the maximum of the measurement range

Ending reading or single reading (e.g., demand)

>>	**MEA07**	**935**	**Measurement Significance Code**	**O ID 2/2**

Code used to benchmark, qualify or further define a measurement value

For cumulative data, a measurement significance code may be required to describe the reported data. The UIG had made Data Maintenance Requests (DM) for several additional codes, which will take effect in a future version. Until the DM-Requested codes are in effect, the following non-standard previous-version code definitions will be in effect.

        51   Total
        45   Summer On Peak
        74   Summer Mid Peak
        73   Summer Off Peak
        72   Summer Super Off Peak
        49   Winter On Peak
        50   Winter Mid Peak
        75   Winter Off Peak
        52   Winter Super Off Peak
        57   Summer   (SDG&E will use this code
                                for Summer Season Totals)
        58   Winter   (SDG&E will use this code
                                for Winter Season Totals)
        67   Non-time related demand
        76   Summon On Peak-2
        78   Summer Mid Peak-2
        76   Winter On Peak -2
        77   Winter Mid Peak-2

	Segment:	**DTM** Date/Time Reference
	Position:	210
	Loop:	QTY Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	10
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	**1** If either DTM05 or DTM06 is present, then the other is required.
		2 At least one of DTM02 DTM03 or DTM06 is required.
	Semantic Notes:	
	Comments:	
	Notes:	This segment may be sent to establish the date and time of the reported values, if the applicable data are available and desired by the recipient. For interval data, the ending time of each interval should be reported if the sender or receiver requires/requests these data.

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Data Element Summary

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	Ref. Des.	**Data Element**	**Name**	**Attributes**
>>	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**
			Code specifying type of date or time, or both date and time	
			151 Service Period End	
>>	**DTM05**	**1250**	**Date Time Period Format Qualifier**	**X ID 2/3**
			Code indicating the date format, time format, or date and time format	
			DT Date and Time Expressed in Format CCYYMMDDHHMM	
>>	**DTM06**	**1251**	**Date Time Period**	**X AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times	
			For Interval: Date/Time stamp for each 15 minute interval is optional. If a trading partner requires interval level times stamps from SDG&E, they must request this service in writing.	

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

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)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.
Notes:

Data Element Summary

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