Arizona Implementation Guidelines for ANSI ASC X12 EDI Ver/Rel 004010

867 - Meter Data Exchange

VERSION: 1.0.4 Proposed final

Modified: **July 14, 1999**

Notes: **proposed final Document**

Revision notes (version 1.0.3 => version 1.0.4):

- **Clarified PDT ref02 MT example text for metering intervals to start on top of hour.**
- **Fixed example 03 historical demand, changed REF MT from K101567 to K101551 to be consistent with text.**

867 Product Transfer and Resale Report

Functional Group=PT

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.

This document describes the implementation to be used for the Arizona electric meter read data transfer.

Notes:

2/010 Each use of the PTD loop will represent one meter register

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BPT	Beginning Segment for Product Transfer and Resale	M	1			Must use
LOOP ID - N1					**5**		
090	N1	Name	O	3			Must use
130	REF	Reference Identification	O	2			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PTD					**>1**		
010	PTD	Product Transfer and Resale Detail	M	1		N2/010	Must use
030	REF	Reference Identification	O	10			Used
LOOP ID - QTY					**>1**		
150	QTY	Quantity	O	1			Must use
230	MEA	Measurements	O	1			Used
260	REF	Reference Identification	O	2			Used
280	DTM	Date/Time Reference	O	2			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
040	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	**143**	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **Code** **Name** 867 Product Transfer and Resale Report	**M**	**ID**	**3/3**	**Must use**
ST02	**329**	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.	**M**	**AN**	**4/9**	**Must use**

BPT Beginning Segment for Product Transfer and Resale

Pos: 020 **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 5**

To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data

Syntax:

Semantics:

1. BPT02 identifies the transfer/resale number.
2. BPT03 identifies the transfer/resale date.
3. BPT09 is used when it is necessary to reference a requesting document.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BPT01	**353**	**Transaction Set Purpose Code** **Description:** Code identifying purpose of transaction set **Code Name** 00 Original **Description:** Conveys original readings for the account being reported. Use for both Inbound and Outbound transactions 07 Duplicate **Description:** Indicates that this is a retransmission of previously furnished information. Use for both Inbound and Outbound transactions 22 Information Copy **Description:** Indicates that meter data is for information only and not to be used for billing purposes 52 Response to Historical Inquiry **Description:** Response to a request for historical meter reading. Used for Outbound only CO Corrected **Description:** Indicates that the readings previously reported for the account are being corrected. Use for both Inbound and Outbound transactions	**M**	**ID**	**2/2**	**Must use**
BPT02	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. It is a unique transaction identification number assigned by the originator of this transaction.	**O**	**AN**	**1/30**	**Used**
BPT03	**373**	**Date** **Description:** Date expressed as CCYYMMDD. Transaction Creation Date	**M**	**DT**	**8/8**	**Must Use**
BPT04	**755**	**Report Type Code** **Description:** Code indicating the title or contents of a document, report or	**O**	**ID**	**2/2**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		supporting item				
		Code Name C1 Cost Data Summary **Description:** Interval readings DD Monthly reads **Description:** Usage				
BPT09	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. **User Note 1:** When BPT01 = 52 , this element may contain the DASR number which initiated this request.	**O**	**AN**	**1/30**	**Used**

N1 Name

Pos: 090	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

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

Syntax:

R0203 -- At least one of N102 or N103 is required.
P0304 -- If either N103 or N104 are present, then the others are required.

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. At least two N1 segments will be used in Arizona. One identifying the originator of the transaction, the other identifying the receiver of the transaction.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	**98**	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **Code Name** 55 Service Manager **Description:** Used to identify the party that manages meter data on behalf of another. Meter Reading Service Provider (MRSP) 8S Consumer Service Provider (CSP) **Description:** Utility (UDC) SJ Service Provider **Description:** Energy Service Provider (ESP)		**ID**	**2/3**	**Must Use**
N102	**93**	**Name** **Description:** Free-form name, this name if used is only for clarity of the transaction. Not used in processing, not verified consistent with N104.	**C**	**AN**	**1/60**	**Used**
N103	**66**	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code Name** 1 D-U-N-S Number, Dun & Bradstreet **Description:** 9 digit Duns number required by all **AZ** Utilities except SRP. 91 Assigned by Seller or Seller's Agent **Description:** An identifier assigned by the Utility this option is only supported by SRP at this time.	**C**	**ID**	**1/2**	**Used**
N104	**67**	**Identification Code** **Description:** Code identifying a party or other code	**C**	**AN**	**2/80**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N106	**98**	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual	**O**	**ID**	**2/3**	**Must Use**

Code	Name	
40	Receiver	
	Description:	Entity to accept transmission
41	Submitter	
	Description:	Entity transmitting transaction set

REF Reference Identification

Pos: 130	Max: 12
Heading - Optional	
Loop: N1	Elements: 3

To specify identifying information

Syntax:

Semantics:

1.

Comments:

1. The Service Delivery site is identified in this segment. Multiple meters may be associated with one delivery site.
2. Only one REF01 code is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	**128**	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code Name** 11 Account Number **Description:** Energy Service Provider-assigned account Number for the end use customer. **Required by SRP on both inbound and outbound transactions.** LU Location Number **Description:** Identification Number for the point where service is delivered to the customer - Universal Node ID (UNI). If more than one delivery point at a site, this will be the first UNI at that site. **Required by all UDCs except SRP on both inbound and outbound transactions.**		**ID**	**2/3**	**Must Use**
REF02	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**C**	**AN**	**1/30**	**Must Use**

PTD Product Transfer and Resale Detail

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PTD	Elements: 3

To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data. Each PTD represents one meter register

Syntax:

P0405 -- If either PTD04 or PTD05 is present, then the other is required.

Comments:

Each PTD loop will represent a meter register, whether demand, monthly, or detailed interval data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PTD01	**521**	**Product Transfer Type Code** **Description:** Code identifying the type of product transfer **Code** **Name** PM Physical Meter Information **Description:** Individual meter installation.	**M**	**ID**	**2/2**	**Must Use**
PTD04	**128**	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** OZ Product Number	**C**	**ID**	**2/3**	**Used**
PTD05	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Code** **Name** EL Electric Service	**C**	**AN**	**1/30**	**Used**

REF Reference Identification

Pos: 030	Max: 20
Detail - Optional	
Loop: PTD	Elements: 3

To specify identifying information

Syntax:

Semantics:

1.

Comments:

1. At least three REF records are required for every PTD loop: LU, MT, and MG if metered service - LU, MT, and SC if un-metered service.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	**128**	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification	**M**	**ID**	**2/3**	**Must Use**

Code	Name
6W	Sequence Number **Description:** Optional channel number. Only used when there is more than one channel on a meter measuring the same quantity (e.g. two KWh channels). Only supported by SRP at this time.
IX	Item Number **Description:** Optional Number of dials. Only supported by SRP at this time.
LU	Location Number (UNI) **Description:** *Required* Specific UNI, defines the point of delivery.
MG	Meter Number one of either the MG or SC ref record is required.
MT	Meter Ticket Number **Description:** Required. Meter Type. Used to identify the type of consumption measured by this meter and register. Defines the interval between measurements. See REF02 for examples.
NH	Rate Card Number **Description:** Utility Rate class or tariff. Optional field initially only supported by SRP.
SC	Shipper Car Order Number **Description:** Unmetered Service Indicator. See REF02 for valid value. Only supplied if usage is for an unmetered service. Not initially supported by APS.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		SU Special Processing Code **Description:** Life support equipment verification. See REF02 for valid values. Optional field only supported by SRP.				
REF02	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** 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 **User Note 2:** When REF01 is SC, valid value for REF02 is: U- Unmetered **User Note 3:** When REF01 is MT, the meter type is expressed as a seven character field. The first two characters are the type of consumption, expressed as: K1 – Kilowatt Demand K2 – Kilovolt Amperes Reactive Demand K3 - Kilovolt Amperes Reactive Hour KH – Kilowatt Hour The next three-characters are the metering interval, expressed as: Nnn = number of minutes: , from 001 to 999 in factors or multiples of 60 Initially in Arizona only 60 minutes and 15 minutes are supported. The interval must start at the top of the hour for 60 minute intervals and on the quarter hour for 15 minute intervals. For transaction files with 15 min intervals the first interval should start at the top of an hour and the last interval should stop at the top of an hour. DAY = daily * MON = monthly (any period data defined by a start date and end date). ANN = annual * BIA = bi-annual * BIM = bi-monthly * QTR = quarterly * (* Coordinate with receiver prior to using codes other than 060, 015, or MON as not all frequencies are supported by all trading partners.) The last two characters are the register type, expressed as: (Coordinate with receiver prior to using any of the following codes as not all codes are supported by all trading partners). 41 = Off Peak	**C**	**AN**	**1/30**	**Must Use**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		42 = On Peak (For TEP Documents – Peak-1) 45 = Summer On Peak 49 = Winter On Peak 51 = Total 63 = Peak-2 66 = Shoulder 67 = Non Time –Related Demand 73 = Summer Off Peak 75 = Winter Off Peak 96 = Interval (* used when BPT04 = C1) Examples: KHMON51: Kilowatt hours used during the month. KHMON42: Kilowatt hours used during peak hours during the month. K106042: Highest kilowatt demand hour which occurred during Peak period hours during the usage period. K101551: Highest kilowatt demand 15min. which occurred during the usage period. KH06096: Hourly intervals data. K101567 Highest demand 15 min in which its time stamp in the QTY loop identifies the time that this 15 minute demand took place				
REF03	**352**	**Description** **Description:** A free form description to clarify the related data elements and their content. Optional: SRP may provide reference to a related Meter Number in this field. May be used on SRP outbound messages for information only.	**C**	**AN**	**1/80**	**Used**

QTY Quantity

Pos: 150	Max: 1
Detail - Optional	
Loop: QTY	Elements: 3

To specify quantity information

Syntax:

Semantics:

1.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY01	**673**	**Quantity Qualifier** **Description:** Code specifying the type of quantity **Code** **Name** 87 Quantity Received from end use customer. **Description:** Received from the customer in a co-generation environment. QD Quantity Delivered to end use customer.	**M**	**ID**	**2/2**	**Must Use**
QTY02	**380**	**Quantity** **Description:** Numeric value of quantity	**C**	**R**	**1/15**	**Must Use**
QTY03	**C001**	**Composite Unit of Measure** **Description:** To identify a composite unit of measure.	**O**	**Comp**		**Used**
	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Code** **Name** K1 Kilowatt Demand (KW) **Description:** Real power, or the rate at which real energy is delivered to the load, averaged over a predetermined interval of time (normally 60 min or 15 min). KW is the product of the volts supplied to the circuit and the in-phase component of the resultant current, divided by 1000. Real power is the work-producing part of apparent power. K2 Kilovolt Amperes Reactive Demand (KVAR) **Description:** Reactive power, or the rate at which reactive energy (kVARh) is delivered to the load, averaged over a predetermined interval of time. It is measured at a given instant or averaged over any designated period of time. KVAR is the product of the volts supplied to the load and the quadrature component of the resultant current, divided by 1000. Reactive power is the portion of apparent power that does no work. K3 Kilovolt Amperes Reactive Hour (KVARH) **Description:** The total reactive energy delivered to the load,	**M**	**ID**	**2/2**	**Must Use**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		the product of reactive power (kVAR) and the length of time (hours). Reactive energy is energy that cannot perform any work.				
	KH	Kilowatt Hour (KWH) **Description:** The total real energy delivered to the load, the accumulation of the product of real power (KW) and time in hours. Real energy is energy that can perform actual work.				

MEA Measurements

Pos: 230	Max: 40
Detail - Optional	
Loop: QTY	Elements: 7

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Syntax:

R03050608 -- At least one of MEA03, MEA05, MEA06 is required.
C0504 -- If MEA05 is present, then MEA04 is required
C0604 -- If MEA06 is present, then MEA04 is required
L07030506 -- If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. On the MEA record, the beginning and ending read are always provided for all KH and K3 type measurements, except interval reads (96) and unmetered usage (ref SC = U)
2. On the MEA record, the demand read is provided for all K1 and K2 type measurements, except unmetered usage.
3. On the MEA record, when interval reads are being provided (96) the interval pulse count may be provided in MEA06.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	**737**	**Measurement Reference ID Code** **Description:** Defines the quality of the meter read defined in MEA05 & MEA06. **Code Name** **The following four codes are required for monthly usage reads to qualify fields five and six. Not used for interval reads.** AA Meter reading-beginning actual/ending actual AE Meter reading-beginning actual/ending estimated EA Meter reading-beginning estimated/ending actual EE Meter reading-beginning estimated/ending estimated BO Meter Reading as Billed **Description:** Used for unmetered accounts. Used when billing charges are based on contractual agreements or pre-established usage and not on actual usage.	**O**	**ID**	**2/2**	**Used**
MEA02	**738**	**Measurement Qualifier** **Description:** Code identifying a specific product or process characteristic to which a measurement applies **Code Name** MU Multiplier	**O**	**ID**	**1/3**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Required for non -interval usage. PJ Pulse Width **Description:** Pulse multiplier				
MEA03	**739**	**Measurement Value** **Description:** The value of the measurement and only used if MEA02=MU **User Note 1:** Represents the meter constant when MEA02 = "MU". When no multiplier is present, use a value of "1". The difference of the meter reads in MEA05 & MEA06 times this multiplier should be equal to the value in QTY02. (accounting for roll over). When MEA02 = PJ, the value in MEA06 times this multiplier should equal the interval value in QTY02	**C**	**R**	**1/20**	**Used**
MEA04	**C001**	**Composite Unit of Measure** **Description:** To identify a composite unit of measure	**C**	**Comp**		**Used**
	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. This should be the same as that found on the QTY record. **Code Name** K1 Kilowatt Demand (KW) **Description:** Real power, or the rate at which real energy is delivered to the load, averaged over a predetermined interval of time. KW is the product of the volts supplied to the circuit and the in-phase component of the resultant current, divided by 1000. Real power is the work-producing part of apparent power. K2 Kilovolt Amperes Reactive Demand (KVAR) **Description:** Reactive power, or the rate at which reactive energy (kVARh) is delivered to the load, averaged over a predetermined interval of time. It is measured at a given instant or averaged over any designated period of time. KVAR is the product of the volts supplied to the load and the quadrature component of the resultant current, divided by 1000. Reactive power is the portion of apparent power that does no work. K3 Kilovolt Amperes Reactive Hour (KVARH) **Description:** The total reactive energy delivered to the load, the product of reactive power (kVAR) and the length of time (hours). Reactive energy is energy that cannot perform any work. KH Kilowatt Hour (KWH) **Description:** The total real energy delivered to the load, the product of real power (KW) and length of time (hours). Real energy is energy that can perform actual work.	**M**	**ID**	**2/2**	**Must Use**
MEA05	**740**	**Range Minimum** **Description:** The value specifying the beginning meter read. **Required for monthly usage. Not used for demand values or interval reads.**	**C**	**R**	**1/20**	**Used**
MEA06	**741**	**Range Maximum** **Description:** The value specifying the ending reading or single reading (e.g., demand) or optionally the number of pulses for interval data. **Required for monthly usage and demand values. Optional for interval**	**C**	**R**	**1/20**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		reads.				
MEA07	**935**	**Measurement Significance Code** **Description:** Code used to benchmark, qualify or further define usage conveyed in QTY02.	**O**	**ID**	**2/2**	**Used**

Code	Name
22	Actual -normal usage passed validation (included non-metered)
46	Estimated - usage not derived from actual meter reads.
83	Good Verified – value appears anomalous but has been verified.
88	Adjusted

REF Reference Identification

Pos: 260	Max: >1
Detail - Optional	
Loop: QTY	Elements: 3

To specify identifying information

Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Notes:

1. This segment is required when the MEA07 = 46 (estimated), based on ACC rules. Not required for meters in SRP territory.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	**128**	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification - Estimate Reason Code **Code Name** ESN Estimate Sequence Number	**M**	**ID**	**2/3**	**Must Use**
REF02	**127**	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Code Name** EA1 = Extreme Weather - Flood EA2 = Extreme Weather - Snow EA3 = Extreme Weather - Storm EA4 = Extreme Weather EA5 = Labor Disagreement EA6 = Emergency EB0 = Self read not received from customer EC1 = No Access - Bad Animal EC2 = No Access - Gate Locked EC3 = No Access - Trim Foliage EC4 = No Access - No Answer at Premises EC5 = No Access - Meter Blocked EC6 = No Access - Irrigation EC7 = No Access - Business Not Open	**C**	**AN**	**1/30**	**Used**

Ref	Id	Element Name	Req	Type	Min/Max	Usage

EC8 = No Access

ED1 = Customer Meter Equipment Failure

ED2 = Customer Meter Removed

ED3 = Customer Meter Changed

ED4 = Customer Dirty Meter Glass

EE0 = Read Not Received From Meter Reading Agent

EE1 = Other

EV1 = Meter Was Misread

EV2 = Zero Consumption - Check Failure

EV3 = High/Low Check Failure

EV4 = Meter in Test (Interval Estimate Only)

EV5 = Demand Not Reset

EV6 = Energy Diversion - Read Estimated

MA1 = Power Failure in Interval

MA2 = Meter Tamper

MS1 = Dead Meter

MS2 = Kit Faulted Service

MS3 = Kit Source Service

MS4 = Flatted in UDC

MS5 = Exposed Wiring

MS6 = Low Service Wire

MS7 = Meter Destroyed

MS8 = Broken Glass

MS9 = Service Wires in Trees

MS10 = Curled Dial

MS11 = Demand Won't Reset to Zero

MS12 = Wrong Meter Number

MS13 = Wrong Address

MS14 = Battery Failure

MS15 = Pot Light

MD1 = Wrong Color Seal

MD2 = Inverted Meter

MD3 = Meter Not Sealed

MD4 = Ring Damaged

MD5 = Jumpers Bypassed

MD6 = Diversion

MD7 = No Panel Seal

MD8 = Hole in Cover

MD9 = Disc Jammed

MD10 = Stolen Meter Installed

GT = Go to REF03 for Description

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	**352**	**Description** **Description:** A free-form description to clarify the related data elements and their content.	**C**	**AN**	**1/80**	**Used**

DTM Date/Time Reference

Pos: 280	Max: 10
Detail - Optional	
Loop: QTY	Elements: 3

To specify pertinent dates and times

Syntax:

P0506 -- If either DTM05 or DTM06 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	**374**	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time **Code** **Name** 150 Service Period Start 151 Service Period End	**M**	**ID**	**3/3**	**Must Use**
DTM02	**373**	**Date (not used at this time)** **Description:** Date expressed as CCYYMMDD	**O**	**DT**	**8/8**	**Used**
DTM03	**337**	**Time (not used at this time)** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, HHMMSSDD where H= Hours (00-23), M = Minutes (00-59), S = Integer seconds (00-59), and DD = Decimal seconds: decimal seconds are expressed as follows: D= tenths (0-9) and DD = hundredths (00-99)	**O**	**TM**	**4/8**	**Used**
DTM04	**623**	**Time Code** **Description:** Code identifying the time. No change for Daylight Savings Time. **Code** **Name** MS Mountain Standard Time	**O**	**ID**	**2/2**	**Must Use**
DTM05	**1250**	**Date Time Period Format Qualifier** **Description:** Code indicating the date format, time format, or date and time format **Code** **Name** D8 Date Expressed in Format CCYYMMDD When D8 is used the time is assumed to default to 0000. DT Date and Time Expressed in Format CCYYMMDDHHMM	**C**	**ID**	**2/3**	**Must Use**
DTM06	**1251**	**Date Time Period** **Description:** Expression of a date, a time, or range of dates, times or dates and times.	**C**	**AN**	**1/35**	**Used**

SE Transaction Set Trailer

Pos: 040	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

Comments:

1. SE is the last segment of each transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	**96**	**Number of Included Segments** **Description:** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0**	**1/10**	**Must Use**
SE02	**329**	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN**	**4/9**	**Must Use**