

Illinois

Implementation
Guide
For
Electronic
Data
Interchange

Transaction Set

Version 4010

867

Historical Usage

Version 1.05 · June 12, 2000

867 Product Transfer and Resale Report

Functional Group ID=**PT**

Introduction:

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

Notes:

The specifications of this implementation guide are defined for the provision of historical meter read information.
5/3/00 – Updated with MSP N1 name.

Heading:

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

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - PTD	>1
Must Use	010	PTD	Product Transfer and Resale Detail	M	1		
	030	REF	Reference Identification	O	20		
						LOOP ID - QTY	>1
Required	110	QTY	Quantity	O	1		
	140	AMT	Monetary Amount	O	12		
	160	MEA	Measurements	O	40		
	210	DTM	Date/Time Reference	O	10		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	030	SE	Transaction Set Trailer	M	1		

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

Data Element Summary

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

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

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

Syntax Notes: 1 If either BPT05 or BPT06 is present, then the other is required.

Semantic Notes: 1 BPT02 identifies the transfer/resale number.

2 BPT03 identifies the transfer/resale date.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BPT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 52 Response to Historical Inquiry	M ID 2/2
	BPT02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Unique number	O AN 1/30
Must Use	BPT03	373	Date Date expressed as CCYYMMDD	M DT 8/8
	BPT04	755	Report Type Code Code indicating the title or contents of a document, report or supporting item DD Distributor Inventory Report	O ID 2/2

Segment: **N1** Name
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
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.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			8R Consumer Service Provider (CSP) Customer	
			8S Consumer Service Provider (CSP)	
			H8 Servicing Agent	
			SJ Service Provider	
			Identifies name and address information as pertaining to a service provider for which billing is being rendered	
	N102	93	Name	X AN 1/60
			Free-form name	
			If N101 = "SJ" then enter Supplier Name.	
			If N101 = "8S" then enter Utility Name.	
			If N101 = "8R" then enter Customer Name.	
			If N101 = "H8" then enter the Meter Service Provider Name.	
	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	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			Enter DUNS or DUNS+4 for Utility, Supplier, or MSP.	
	N106	98	Identification Code	X ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			40 Receiver	
			41 Submitter	
			If originator of transaction use "41"	

Segment: **REF** Reference Identification
Position: 120
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			12 Billing Account Account number under which billing is rendered	
			45 Old Account Number Identifies accounts being changed	
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Enter Utility account number for Customer.	X AN 1/30

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

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
Must Use	PTD01	521	Product Transfer Type Code Code identifying the type of product transfer	M ID 2/2
			PM Physical Meter Information	
			SU Summary	

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification LU Location Number MG Meter Number MT Meter Ticket Number NH Rate Card Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier If REF01 = "LU" then enter Service Delivery Point. If REF01 = "MG" then enter Meter Number. If REF01 = "MT" then enter Meter Type. If REF01 = "NH" then enter Rate. All of these are optional.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content Can be used for Rate description.	X AN 1/80

Segment: QTY Quantity
Position: 110
Loop: QTY Optional
Level: Detail
Usage: Optional
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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			KA Estimated The quantity shown is an estimated quantity	
			QD Quantity Delivered	
	QTY02	380	Quantity Numeric value of quantity	X R 1/15
			Consumption amount.	
	QTY03	C001	Composite Unit of Measure To identify a composite unit of measure	O
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M ID 2/2
			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	
			KH Kilowatt Hour	

Segment: **AMT** Monetary Amount
Position: 140
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount OS Previously Billed	M ID 1/3
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/18

If AMT01 = "OS", enter the \$ charges for this reading.

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 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
- 2 If MEA05 is present, then MEA04 is required.
- 3 If MEA06 is present, then MEA04 is required.
- 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
- 5 Only one of MEA08 or MEA03 may be present.

Semantic Notes:

Comments:

- 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
- 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: This segment is used if providing peak / off-peak reads.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
MEA03	739	Measurement Value		X R 1/20
		The value of the measurement		
		Consumption amount.		
MEA04	C001	Composite Unit of Measure		X
		To identify a composite unit of measure.		
Must Use	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		
		KH Kilowatt Hour		
MEA07	935	Measurement Significance Code		O ID 2/2
		Code used to benchmark, qualify or further define a measurement value		
		41 Off Peak		
		42 On Peak		
		51 Total		

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 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			150 Service Period Start	
			151 Service Period End	
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8
			Enter the start and end dates of the reads.	

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.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	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	

PURPOSE:

The purpose of the 867H is to report historical usage for a particular customer to the requesting party.

SCENARIO:

Requestor sends an 814H to request historical usage from the DSP. The DSP will respond with an 814H Response and an 867H with up to 12 months of historical usage*. The example below is for a customer with a demand meter.

*Some DSP's do not send historical interval data via EDI.

TRANSACTION:

ST~867~00147	
BPT~52~1999-12-15.12.59.59.999999~19991215~DD	Indicates this is a response to a historical inquiry, transaction reference number, date of transaction, detailed usage identifier
N1~8S~DSP NAME~1~123456789~~41	DSP qualifier, DSP name, DUNS indicator, DUNS number, sender indicator
N1~H8~MSP NAME~9~9876543214321~~40	MSP qualifier, MSP name, DUNS + 4 indicator, DUNS + 4 number, receiver indicator
N1~8R~CUSTOMER NAME	Customer qualifer, customer name
REF~12~5568547295	Identifies customer's bill account number with DSP
PTD~PM	Indicates usage by meter as opposed to summary
REF~MG~METER#1	Meter # qualifer, customer's meter #
REF~MT~K1MON	Meter type qualifier, meter type
QTY~QD~760~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~760~KH~~~51	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~7.200~K1~~~22	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19991107	Beginning date for period
DTM~151~19991204	Ending date for period
QTY~QD~1160~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~1160~KH~~~51	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~9.700~K1~~~22	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19991009	Beginning date for period
DTM~151~19991107	Ending date for period

QTY~QD~1720~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~1720~KH~~~51	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~10.500~K1~~~22	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19990905	Beginning date for period
DTM~151~19991009	Ending date for period
SE~24~00147	

PURPOSE:

The purpose of the 867H is to report historical usage for a particular customer to the requesting party.

SCENARIO:

Requestor sends an 814H to request historical usage from the DSP. The DSP will respond with an 814H Response and an 867H with up to 12 months of historical usage*. The example below is for a customer with two meters that record kwh only.

*Some DSP's do not send historical interval data via EDI.

TRANSACTION:

ST~867~0014	
BPT~52~1999-12-15.12.59.59.999999~19991215~DD	Indicates this is a response to a historical inquiry, transaction reference number, date of transaction, detailed usage identifier
N1~8S~DSP NAME~1~123456789~~41	DSP qualifier, DSP name, DUNS indicator, DUNS number, sender indicator
N1~SJ~RES NAME~9~9876543214321~~40	RES qualifier, RES name, DUNS + 4 indicator, DUNS + 4 number, receiver indicator
N1~8R~CUSTOMER NAME	Customer qualifer, customer name
REF~12~5568547295	Identifies customer's bill account number with DSP
PTD~PM	Indicates usage by meter as opposed to summary
REF~MG~METER#1	Meter # qualifer, customer's meter #
REF~MT~KHMON	Meter type qualifier, meter type
QTY~QD~111~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19991111	Beginning date for period
DTM~151~19991210	Ending date for period
QTY~QD~68~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19991013	Beginning date for period
DTM~151~19991111	Ending date for period
QTY~QD~72~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19990911	Beginning date for period
DTM~151~19991013	Ending date for period
QTY~QD~66~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19990814	Beginning date for period
DTM~151~19990911	Ending date for period
PTD~PM	Indicates usage by meter as opposed to summary
REF~MG~METER#2	Meter # qualifier, customer's meter #
REF~MT~KHMON	Meter type qualifier, meter type

QTY~QD~123~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19991111	Beginning date for period
DTM~151~19991210	Ending date for period
QTY~QD~73~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19991013	Beginning date for period
DTM~151~19991111	Ending date for period
QTY~QD~99~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19990911	Beginning date for period
DTM~151~19991013	Ending date for period
QTY~QD~87~KH	Indicates consumption is actual, quantity, unit of measure
DTM~150~19990814	Beginning date for period
DTM~151~19990911	Ending date for period
SE~37~0014	

PURPOSE:

The purpose of the 867H is to report historical usage for a particular customer to the requesting party.

SCENARIO:

Requestor sends an 814H to request historical usage from the DSP. The DSP will respond with an 814H Response and an 867H with up to 12 months of historical usage*. The example below is for a customer with a time of use meter.

*Some DSP's do not send historical interval data via EDI.

TRANSACTION:

ST~867~0014	
BPT~52~1999-12-01.12.59.59.999999~19991215~DD	Indicates this is a response to a historical inquiry, transaction reference number, date of transaction, detailed usage identifier
N1~8S~DSP NAME~1~123456789~~41	DSP qualifier, DSP name, DUNS indicator, DUNS number, sender indicator
N1~H8~MSP NAME~9~9876543214321~~40	MSP qualifier, MSP name, DUNS + 4 indicator, DUNS + 4 number, receiver indicator
N1~8R~CUSTOMER NAME	Customer qualifer, customer name
REF~12~8546251349	Identifies customer's bill account number with DSP
PTD~PM	Indicates usage by meter as opposed to summary
REF~MG~METER#1	Meter # qualifer, customer's meter #
REF~MT~K1MON	Meter type qualifier, meter type
QTY~QD~173100~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~173100~KH~~~51	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~102300~KH~~~41	Amount of usage, usage type, indicates consumption is off peak, on peak consumption is derived from total and off peak (not explicitly sent)
MEA~~~384.300~K1~~~42	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~397.200~K1~~~41	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19991022	Beginning date for period
DTM~151~19991120	Ending date for period
QTY~QD~168600~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~168600~KH~~~51	Amount of usage, usage type,

	measurement significance code (indicates on peak, off peak, etc)
MEA~~~102600~KH~~~41	Amount of usage, usage type, indicates consumption is off peak, on peak consumption is derived from total and off peak (not explicitly sent)
MEA~~~388.800~K1~~~42	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~362.700~K1~~~41	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19990925	Beginning date for period
DTM~151~19991022	Ending date for period
QTY~QD~201900~KH	Indicates consumption is actual, quantity, unit of measure
MEA~~~201900~KH~~~51	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~125400~KH~~~41	Amount of usage, usage type, indicates consumption is off peak, on peak consumption is derived from total and off peak (not explicitly sent)
MEA~~~410.40~K1~~~42	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
MEA~~~401.700~K1~~~41	Amount of usage, usage type, measurement significance code (indicates on peak, off peak, etc)
DTM~150~19990826	Beginning date for period
DTM~151~19990925	Ending date for period
SE~31~0014	