New York Implementation Standard

For

Standard Electronic Transactions

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TRANSACTION SET

568 Payment Advisement

Ver/Rel 004010

		Summary of Changes
February 21, 2003		**Initial Release**
July 24, 2015		**Version 1.1**
		• Replaced references to Marketer and E/M with ESCO • Updated references to the Purchase of Receivable (POR) model.
June 30, 2016		**Version 1.2**
		• Statement added noting suspension of development.

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		Notes pertaining to the use of this document
Purpose		• The 568 Payment Advisement transaction is used by a Utility to communicate customer payment information to an ESCO when a customer receives a Utility Rate Ready consolidated bill and the payment processing method is Purchase of Receivables (POR) with Recourse. • The scope of this document addresses processes associated with Utility disposition of payments made on consolidated bills including payment allocation (between the billing and non-billing parties) and notification of customer payments (or payment reversals to the ESCO via an 568 Payment Advisement. • These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.
BGN Segment		• Codes sent in the BGN07 element in the BGN segment are sent to distinguish between a 568 Payment Advisement transaction (code U9) and a 568 Account Receivables Advisement transaction (code BT).
Looping Structure		• The detail section of this transaction contains segments/elements that identify the customer and the commodity and provide the payment/payment reversal information. The CS loop contains a REF loop, a LX loop and an N1 loop. • Each CS loop may contain only one LX loop. When data is being sent for more than one account, or multiple payments or payment reversals are being reported for the same account, a separate CS loop must be sent for each payment or payment reversal being reported.
Multiple accounts/ commodities per 568		• Each 568 Payment Advisement may contain multiple accounts for multiple commodities. • Where the billing party has prepared a consolidated bill consisting of electric and gas charges, payments or payment reversals must be applied to electric and gas charges separately and will be communicated via the 568 accordingly.
Validation		• Transactions will be validated based on the customer's utility account number (with check digit, if included). In this standard the customer's utility account number is sent in the CS segment in the detail section of the transaction.
Max Use of three N9 Segments		• This Implementation Guide provides for four (4) different types of N9 segments within a CS Loop: ➢ ESCO Customer Account Number ➢ Previous Utility Customer Account Number ➢ Gas Pool ID, or ➢ Utility Account Number for the ESCO. • ANSI X12 standards permit no more than three N9 segments to be present at this level. Accordingly, the Utility (the sender) must select no more than three N9 segments to be transmitted in a transaction.
Canceling a 568		• In the event that a 568 was sent in error, or was inaccurate, a new 568 must be sent to correct the information.
Suspension of Development		• Since no utilities currently support this transaction, further development was suspended as of Version 1.2.

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Rejection		• A 568 Payment Advisement transaction may be rejected for cause (i.e., validation or syntax errors or data segments/elements are missing or invalid). • An 824 Application Advice transaction is used to reject a 568 transaction. Please refer to instructions in the Implementation Guide for that standard for further details. • The recipient should not use information sent in a 568 Payment Advisement transaction to update its customer account records. Changes in customer information must be reported via an 814 Account Maintenance (Change) transaction.
Data Element Attributes		• Data elements whose X12 attribute type is 'R' (for example the AMT02 element) 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: ➢ a *value of one hundred dollars and twenty cents ($100.20) could be transmitted as 100.2 in an AMT02 element.* *AMT~AT~**100.2*** ➢ *a value of one cent ($0.01) could be transmitted as .01 in an AMT02 element.* *AMT~AT~**.01*** ➢ *a value of one hundred dollars and zero cents ($100.00) could be transmitted as 100 in an AMT02 element.* *AMT~AT~**100*** ➢ *a value of minus one hundred dollars and zero cents (-$100.00) could be transmitted as –100.00 in an AMT02 element.* *AMT~AT~**-100.00*** ➢ *a value of minus one hundred dollars and twenty cents (-$100.20) could be transmitted as -100.2 in an AMT02 element.* *AMT~AT~**-100.2***

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Payment Plans	• Conditional elements in the N1*8R segment (Customer Name) may be sent to communicate information about customers' Payment Plans. The 03 element is used to report that the customer is on a payment plan with the Utility. The 04 element is used to identify the type of Payment Plan: ➢ Long Term Agreement A multi-month payment plan arrangement in which the customer will pay a portion of the arrears in a monthly installment amount along with each month's current charges. ➢ Short Term Agreement An extension granted past the current month's late payment charge date. For example, the payment agreement may require half of the receivable to be paid at the time of the arrangement and the balance prior to the late payment charge date of the following month. • The 568 Payment Advisement is not used to communicate information about the status of customers' budget plans. Budget Plan status is communicated in either an 814 Enrollment Response or an 814 Account Maintenance (Change) transaction.
Definitions	• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled service. The term ESCO is used in this document to refer to either a gas or electric commodity supplier. The principal parties involved in this 568 Transaction Set Implementation Guide are: ➢ The end-use customer (Code 8R) ➢ The Utility (LDC) (Code 8S) ➢ The Supplier (ESCO or ESCO) (Code SJ).
Companion Documents	• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the following documents should be reviewed where further clarification is needed: ➢ *Consolidated Billing Business Processes - Utility Rate Ready* ➢ *Payment Advisement Business Processes – Utility Rate Ready POR with Recourse Consolidated Billing Model* ➢ *Account Assignment Business Processes For All Consolidated Billing Models* ➢ *TS824 Application Advice Transaction Set Standard Implementation Guide* ➢ *TS568 Account Receivables Advisement Transaction Set Standard Implementation Guide* ➢ *Account Receivables Advisement Business Processes – Utility Rate Ready Consolidated Billing* • Further information regarding the processing of EDI transactions may be found in the *Technical Operating Profile for Electronic Data Interchange in New York.*

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Implementation Guideline Field Descriptions

Segment: **REF** **Reference Identification (Utility Customer Account N**
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
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 requir
3 If either C04005 or C04006 is present, then the other is requir
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, "Optional (Must Use)" means that this segment is Optional for X12, but is required in NY. "Optional (Dependent)" means Optional for X12, but use is conditional in NY. The grayboxes below should also be reviewed for additional NY Rules.

Notes: Required

The Utility account number assigned to the customer is used for validation and must be present on all transactions.

REF~12~011231287654398

This section displays the NY Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref Des.	Data Element	Name		X12 Attributes	
Mand.	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			12	Billing Account REF02 contains the Utility-assigned account number for the customer.		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Utility assigned customer account number The utility account number must be supplied without intervening or non-alphanumeric characters. (Characters added to aid in visibl tion on a bill, for example, should be removed)			

This column documents differences between X12 and NY use for each data element:

Mand. (Mandatory) – Required by X12
Must Use – Required by NY
Cond. (Conditional)
Optional

These columns show the X12 attributes for each data element:
M = Mandatory
O = Optional
X = Conditional

AN = Alphanumeric
N# = Implied Decimal
ID = Identification
R = Real
DT = Date (CCYYMMDD)

1/30 = Minimum 1, Maximum 30

568 Payment Advisement

Functional Group ID=D5

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Contract Payment Management Report Transaction Set (568) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to enable the transmission of a management report to provide the details of payments and collections made against funds obligated on contracts, orders, and other services.

Notes:

The 568 Payment Advisement Standard prescribes the content and format for a Payment Advisement transaction that is used by a Utility to communicate customers' payment information to the ESCO when the customer receives a Utility Rate Ready consolidated bill and the payment method is POR with Recourse.
The scope of this document addresses processes associated with the disposition of customer's payments for consolidated bills including payment allocation (between the billing and non-billing parties) and notification of payments (or payment reversals) to the ESCO via a 568 Payment Advisement transaction.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	BGN	Beginning Segment	M	1		n1
5	030	AMT	Monetary Amount	M	1		n2
			LOOP ID - N1			1	
6	040	N1	Name (Utility)	O	1		n3
			LOOP ID - N1			1	
7	040	N1	Name (ESCO)	O	1		n3

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CS			>1	
8	010	CS	Contract Summary (Utility Account Number)	O	1		n4
10	020	N9	Reference Identification (ESCO Customer Account Number)	O	1		
11	020	N9	Reference Identification (Previous Utility Customer Account Number)	O	1		
12	020	N9	Reference Identification (Gas Pool ID)	O	1		
13	020	N9	Reference Identification (Utility Account Number for the ESCO)	O	1		
			LOOP ID - REF			1	
14	060	REF	Reference Identification (Commodity Type)	O	1		
			LOOP ID - LX			1	

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15	080	LX	Assigned Number	O	1		
16	090	N9	Reference Identification (Payment Indicator or Payment Reversal Reason and Posting Date)	M	1		
17	100	AMT	Monetary Amount (Payment or Payment Reversal Amount)	O	1		n5
			LOOP ID - N1			1	
18	140	N1	Name (Customer Name)	O	1		n3

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
20	020	SE	Transaction Set Trailer	M	1		
E – 1			Examples				

Transaction Set Notes

1. The BGN segment identifies the transaction set purpose code, a unique number used to identify this transmission, and the date and time of transaction set creation.
2. This AMT segment identifies the total collected amount being reported in this transaction.
3. The N1 loops identify the transmitting and receiving parties and the end use customer.
4. The CS segment identifies the utility assigned account number for the customer for whom a payment (or payment reversal) is being reported.
5. This AMT segment identifies amounts collected (or reversed) for the account being reported.

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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:
Notes: Required

ST~568~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**ST01**	**143**	**Transaction Set Identifier Code** 568 Contract Payment Management Report	**M ID 3/3**
Mand	**ST02**	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.	**M AN 4/9**

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Segment: **BGN** **Beginning Segment**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a transaction set
Syntax Notes:
1 If BGN05 is present, then BGN04 is required.
Semantic Notes:
1 BGN02 is the transaction set reference number.
2 BGN03 is the transaction set date.
3 BGN04 is the transaction set time.
4 BGN05 is the transaction set time qualifier.
5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments:
Notes: Required

BGN~00~200301310001~20030131~~~~U9

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand	**BGN01**	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			00 Original		
Mand	**BGN02**	**127**	**Reference Identification**	**M**	**AN 1/30**
			A unique transaction reference number assigned by the originator of this transaction.		
Mand	**BGN03**	**373**	**Date**	**M**	**DT 8/8**
			The date the transaction was created by the sender's applications system in the form CCYYMMDD.		
Must Use	**BGN07**	**640**	**Transaction Type Code**	**O**	**ID 2/2**
			U9 Contract Payment Notice Payment Advisement		

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Segment: **AMT** **Monetary Amount**
Position: 030
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required

AMT~AT~1500.00
AMT~AT~1500

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**AMT01**	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**
			AT	Total Received Total Monetary Amount of customers' payments (or reversals) that have been allocated to the non-billing party and reported in this transaction set.		
Mand	**AMT02**	**782**	**Monetary Amount**		**M**	**R 1/18**
			Total Amount The amount sent in this AMT02 element is the sum of all AMT02 elements sent in LX loops at the detail level in this transaction. This element is a real number. 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; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.			

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Segment: **N1** **Name (Utility)**
Position: 040
Loop: N1 Optional (Must Use)
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 N105 and N106 further define the type of entity in N101.
Notes: Required

N1~8S~UTILITY COMPANY NAME~1~012345678

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	
Optional	**N102**	**93**	**Name**	**X AN 1/60**
			Free Form Utility Company Name Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	
Must Use	**N103**	**66**	**Identification Code Qualifier**	**X ID 1/2**
			1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	
Must Use	**N104**	**67**	**Identification Code**	**X AN 2/80**
			The D-U-N-S number or the Federal Tax ID	

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Segment: **N1** **Name (ESCO)**
Position: 040
Loop: N1 Optional (Must Use)
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 N105 and N106 further define the type of entity in N101.
Notes: Required

N1~SJ~~24~123456789

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			SJ	Service Provider Identifies the ESCO participating in this transaction.		
Optional	**N102**	**93**	**Name**		**X**	**AN 1/60**
			Free Form ESCO Company Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.			
Must Use	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**		**X**	**AN 2/80**
			The D-U-N-S number or the Federal Tax ID			

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Segment: **CS** **Contract Summary (Utility Account Number)**
Position: 010
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To provide information about a contract
Syntax Notes:
1 If either CS04 or CS05 is present, then the other is required.
Semantic Notes:
1 CS09 is the permissible overage as a percentage of the total contract line item number (CLIN) quantity.
2 CS10 is the permissible shortage as a percentage of the total contract line item number (CLIN) quantity.
3 CS11 is the permissible overage dollar value specified by the contract above which discrepancy action is taken.
4 CS14 is the Unit of Measure stipulated in the contract.
5 CS15 is the contract line item number (CLIN) unit price specified in the contract.
6 CS17 conveys the Critical Application Indicator. A "Y" indicates that a Critical Application Indicator is specified in the contract; an "N" indicates that no Critical Application Indicator is specified in the contract.
7 CS18 conveys the Special Requirements Indicator. A "Y" indicates that a Special Requirements Indicator (requiring special testing and or evaluation) is specified in the contract; an "N" indicates that no Special Requirements Indicator is specified in the contract.
Comments:
1 CS04 may be used to identify the Contract Line Item Number (CLIN) or Extended (or Exhibit) Line Item Number (ELIN).
2 CS07 and CS13 can be used to indicate two different types of special services required.
Notes: Required

Each CS loop may contain only one LX loop. When the transaction will contain data for more than one account or will contain more than one payment (or payment reversal) for an account, each payment (or payment reversal) must be sent in separate CS loops.

In this transaction a CS segment is used to transmit the Utility assigned account number for the customer. This number is used for validation and must be present in all transactions.

CS~~~~12~12345678988

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**CS04**	**128**	**Reference Identification Qualifier**	**X ID 2/3**
		12	Billing Account CS05 contains the Utility-assigned account number for the customer.	

ERRATA

Must Use	**CS05**	**127**	**Reference Identification**	**X**	**AN 1/30**
			Utility assigned customer account number The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)		

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Segment: **N9** **Reference Identification (ESCO Customer Account Number)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: Optional

This N9 segment is the first of four (4) N9 segments provided for in this Implementation Guideline. ANSI X12 standards permit only 3 N9 segments to be present in each CS loop. The sender must select no more than 3 N9 segments to be sent for each CS loop.

N9~11~333444555666

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**N901**	**128**	**Reference Identification Qualifier** 11 Account Number N902 is the ESCO Assigned account number for the customer.	**M ID 2/3**
Must Use	**N902**	**127**	**Reference Identification** ESCO's assigned account number for the customer.	**X AN 1/30**

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Segment: **N9** **Reference Identification (Previous Utility Customer Account Number)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: Conditional

Required when the utility assigned account number for the customer has changed in the last 90 days. Otherwise, not used.

NOTE: No more than 3 N9 segments may be present in each CS loop.

N9~45~9194132485705971

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**N901**	**128**	**Reference Identification Qualifier** 45 Old Account Number REF02 is the Utility's previous account number for the customer.	**M ID 2/3**
Must Use	**N902**	**127**	**Reference Identification** Previous utility assigned customer account number. Current utility assigned account number must be sent in the CS segment.	**X AN 1/30**

FINAL

Segment: **N9** **Reference Identification (Gas Pool ID)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: Optional

NOTE: No more than 3 N9 segments may be present in each CS loop.

N9~VI~123456789

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**N901**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			VI	Pool Number Gas Pool ID's are assigned to a gas marketer by the Utility and are used to define a unique sub-grouping of customers.		
Must Use	**N902**	**127**	**Reference Identification**		**X**	**AN 1/30**
			Gas Pool ID			

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Segment: **N9** **Reference Identification (Utility Account Number for the ESCO)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: Optional

NOTE: No more than 3 N9 segments may be present in each CS loop.

N9~AJ~3134597

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**N901**	**128**	**Reference Identification Qualifier**	**M ID 2/3**
			AJ Accounts Receivable Customer Account N902 contains the Utility-assigned account number for the ESCO.	
Must Use	**N902**	**127**	**Reference Identification**	**X AN 1/30**
			Utility assigned account number for the ESCO	

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Segment: **REF** **Reference Identification (Commodity Type)**
Position: 060
Loop: REF Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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.
Comments:
Notes: Required

REF~QY~EL
REF~QY~GAS

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**REF01**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			QY	Service Performed Code		
Must Use	**REF02**	**127**	**Reference Identification**		**X**	**AN 1/30**
			EL	Electric		
			GAS	Gas		

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Segment: **LX** **Assigned Number**
Position: 080
Loop: LX Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required

No more than one LX loop may be sent in each CS loop. When there are multiple payments (or payment reversals) being reported in a transaction, each payment (or reversal) must be sent in a separate CS loop. The 'assigned number' sent in this segment will always be "1".

LX~1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Mand	**LX01**	**554**	**Assigned Number**	**M N0 1/6**

FILED

Segment: **N9 Reference Identification (Payment Indicator or Payment Reversal Reason and Posting Date)**
Position: 090
Loop: LX Optional (Must Use)
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: Required

N9~PHC~PT~~20030201 (Payment)
N9~PHC~72~INSUFFICIENT FUNDS~~20030201 (Payment Reversal)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**N901**	**128**	**Reference Identification Qualifier**		**M**	**ID 2/3**
			PHC	Process Handling Code		
				Payment Indicator or Payment Reversal Reason		
Must Use	**N902**	**127**	**Reference Identification**		**X**	**AN 1/30**
			72	Returned Items		
				Returned checks		
			74	Cancel or Adjust Prior Credit/Debit Adjustment		
			86	Duplicate Payment		
			CS	Adjustment		
			PT	Payment		
			RA	Retroactive Adjustment		
				Mis-applied Payments		
Optional	**N903**	**369**	**Free-form Description**		**X**	**AN 1/45**
			Adjustment Reason Text			
Must Use	**N904**	**373**	**Date**		**O**	**DT 8/8**
			Date the payment or payment reversal was posted by the billing party.			

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Segment: **AMT** **Monetary Amount (Payment or Payment Reversal Amount)**
Position: 100
Loop: LX Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: Required

AMT~KL~25.00 (Payments are positive numbers)
AMT~KL~-130.55 (Payment reversals are negative numbers)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**AMT01**	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**
			KL	Collected Amount Payment or Payment Reversals		
Mand	**AMT02**	**782**	**Monetary Amount**		**M**	**R 1/18**
			Payment or Payment Reversal Amount The AMT02 element sent in the header must contain the sum of all AMT02 elements sent in the CS loops in the detail section of the transaction. This element is a real number. 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; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.			

FINAL

Segment: **N1** **Name (Customer Name)**
Position: 140
Loop: N1 Optional
Level: Detail
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.
2 N105 and N106 further define the type of entity in N101.
Notes: Optional

This segment may be used to send the customer name (use N101 and N102) and/or to indicate when a customer is on a payment plan (use N101 through N104).

N1~8R~CUSTOMER NAME
N1~8R~NAME~BP~LT

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Mand	**N101**	**98**	**Entity Identifier Code**		**M**	**ID 2/3**
			8R	Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.		
Must Use	**N102**	**93**	**Name**		**X**	**AN 1/60**
			The customer name may be provided by mutual agreement of the trading partners to provide "eyeball" identification of the customer involved in the transaction. This element may contain the actual customer name or the literal 'NAME'.			
Cond.	**N103**	**66**	**Identification Code Qualifier**		**X**	**ID 1/2**
			BP	Benefit Plan If present, indicates that the customer is on a payment plan. The type of payment plan (Long Term vs. Short Term) will be provided in N104.		

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Cond.	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			Required if customer is on a payment plan, otherwise not used.		
			LT	Long Term Payment Arrangement A multi-month payment plan arrangement. The customer will pay a portion of the arrears in a monthly installment amount along with each month's current charges.	
			ST	Short Term Payment Arrangement An extension granted past the current month's late payment charge date. For example, the agreement may require half of the receivable to be paid at the time of the arrangement and the balance prior to the late payment charge date of the following month.	

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Segment: **SE** **Transaction Set Trailer**
Position: 020
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: Required

SE~15~000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand	**SE01**	**96**	**Number of Included Segments**	**M**	**N0 1/10**
Mand	**SE02**	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**

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EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for TS568 Payment Advisement, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO would map a specific transaction.

Scenario 1 – Multiple Payments for Multiple Accounts and Multiple Commodities

ST*568*00000001!	Transaction Set header; transaction defined is an ***568***; control number assigned by originator
BGN*00*200302020001*20030202****U9!	Transaction is an ***Original*** transaction; Unique id number for this transaction; transaction creation date; transaction is a ***Payment Advisement***
AMT*AT*541.29!	Total Amount
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*PT**20030201!	***Payment*** Indicator; Date Posted
AMT*KL*25!	Amount
N1*8R*JOHN SMITH!	Customer Name
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*GAS!	Service is ***gas***
LX*1!	
N9*PHC*PT**20030201!	***Payment*** Indicator; Date Posted
AMT*KL*34.89!	Amount
N1*8R*JOHN SMITH!	Customer Name
CS****12*6575987400!	Utility customer account number
N9*11*AB91489!	ESCO customer account number
N9*AJ*3161821!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*PT**20030201!	***Payment*** Indicator; Date Posted
AMT*KL*481.4!	Amount
N1*8R*COMPANY NAME!	Customer Name
SE*30*00000001!	Transaction Set trailer; segment count; control number

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Scenario 2 – Multiple Payments including Payment Reversal

ST*568*00000001!	Transaction Set header; transaction defined is an ***568***; control number assigned by originator
BGN*00*200302020001*20030202****U9!	Transaction is an ***Original*** transaction; Unique id number for this transaction; transaction creation date; transaction is a ***Payment Advisement***
AMT*AT*-64.57!	Total Amount
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*PT**20030201!	***Payment*** Indicator; Date Posted
AMT*KL*25!	Amount
N1*8R*JOHN SMITH!	Customer Name
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*CS*ADJUSTMENT REASON*20030201!	***Adjustment*** Indicator; Adjustment Reason Text; Date Posted
AMT*KL*-89.57!	Amount
N1*8R*JOHN SMITH!	Customer Name
SE*22*00000001!	Transaction Set trailer; segment count; control number

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Scenario 3 – Payment Plan Customer

ST*568*00000001!	Transaction Set header; transaction defined is an ***568***; control number assigned by originator
BGN*00*200302020001*20030202****U9!	Transaction is an ***Original*** transaction; Unique id number for this transaction; transaction creation date; transaction is a ***Payment Advisement***
AMT*AT*100!	Total Amount
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*PT**20030201!	***Payment*** Indicator; Date Posted
AMT*KL*100!	Amount
N1*8R*JOHN SMITH*BP*LT!	Customer Name; Customer is on a ***Long Term Payment Plan***
SE*14*00000001!	Transaction Set trailer; segment count; control number

Scenario 4 – Cancel of 568 in Scenario 3

ST*568*00000001!	Transaction Set header; transaction defined is an ***568***; control number assigned by originator
BGN*00*200302050040*20030205****U9!	Transaction is an ***Original*** transaction; Unique id number for this transaction; transaction creation date; transaction is a ***Payment Advisement***
AMT*AT*-100!	Total Amount
N1*8S*UTILITY NAME*1*006977763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*11*AB91390!	ESCO customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is ***electric***
LX*1!	
N9*PHC*CS*CANCEL*20030204!	***Adjustment*** Indicator; Adjustment Reason Text; Date Posted
AMT*KL*-100!	Amount
N1*8R*JOHN SMITH*BP*LT!	Customer Name; Customer is on a ***Long Term Payment Plan***
SE*14*00000001!	Transaction Set trailer; segment count; control number

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