

New York Implementation Standard

For

Standard Electronic Transactions

TRANSACTION SET

568 Account Receivables Advisement

Ver/Rel 004010

	Summary of Changes
February 21, 2003 Version 1.0	Initial version released.
May 17, 2006 Version 2.0	Version 2.0 issued.
	The "Purpose" section of the Front Matter Notes is revised to indicate that a 568AR transaction may be used to communicate an amount associated with a notice of service termination issued by the non-billing party, or a down payment and/or monthly installment amount associated with a deferred payment agreement negotiated by the non-billing party.
	The 'Adjustment Reason Codes' section of the Front Matter Notes is revised to clarify how code 'CS' would be used in conjunction with element N903 to indicate that an adjustment amount pertains to a termination notice (N903=TA), a down payment on a deferred payment agreement (N903=DW) or the installment amount on a deferred payment agreement (N903=DP).
	An element is added to the CS segment (Utility Account Number) for use in Orange & Rockland's service territory to identify receivables adjustments that pertain to the un-metered portion of a customer's electric service when both metered and un-metered service are present on the same account.
	The segment notes for the N9*VI (Gas Pool Id) and N9*AJ (Utility Account Number for ESCO) are revised to indicate that these segments must be present in transactions sent to National Fuel Gas or the transaction will be rejected. The usage attribute for these segments is revised from Optional to Conditional.
	The notes associated with the 'CS' code in the N902 element in the N9*PHC segment are revised to indicate that this code should only be used when termination/deferred payment codes are being sent in the N903 element.
	The usage attribute for the N903 element in the N9*PHC segment in the LX Loop is revised from Optional to Conditional. An N903 element must be present in the transaction when the N902 element in that segment contains the adjustment reason code 'CS'.
	Local codes ('TA', 'DW' and 'DP') were added to the N903 element in the N9*PHC segment to be used in conjunction with the CS code in the N902 element to identify adjustment amounts associated with a termination notice or deferred payment agreement. The element note for the N903 is revised to clarify that it must contain 'TA', 'DW' or 'DP' when the N902 element contains 'CS' and may not contain supplemental text.
July 24, 2015 Version 2.1	Version 2.1 issued.
	<ul style="list-style-type: none"> • Replaced references to Marketer and E/M with ESCO • Updated references to the Purchase of Receivables (POR) model. • Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.
<u>June 30, 2016</u> <u>Version 2.2</u>	<u>Version 2.2 issued.</u>
	<ul style="list-style-type: none"> • <u>Statement added noting suspension of development.</u>

	Notes pertaining to the use of this document
Purpose	<ul style="list-style-type: none"> • This 568 Account Receivables Advisement Transaction Set Standard is applicable to Utility Rate Ready Consolidated Billing Model. Transactions based on this standard are used by an ESCO, when the payment method is Pay-As-You-Get-Paid, to: <ul style="list-style-type: none"> ➢ communicate a beginning debit or credit balance on a customer’s account, or ➢ notify the Utility of account receivables adjustments for a customer’s account that originated with the ESCO, or ➢ provide amounts associated with either an ESCO initiated termination notice or a deferred payment agreement. • This transaction is not used in the Utility Rate Ready Consolidated Billing Model when the payment method is POR. • This standard is based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.
BGN Segment	<ul style="list-style-type: none"> • 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).
One account/commodity per 568	<ul style="list-style-type: none"> • Each transaction may contain data for only one customer account. • Each transaction may contain multiple adjustments pertaining to either electric or gas service but not both. • When an ESCO provides both electric and gas service to a customer and that customer receives a Utility Rate Ready Pay-As-You-Get-Paid consolidated bill for both services, payments/adjustments for both services must be communicated in separate 568 Account Receivables Advisement transactions – one containing payments/adjustments for electric service and the other containing payments/adjustments for gas service.
Looping Structure	<ul style="list-style-type: none"> • The detail section of this transaction contains segments/elements that are used to identify the customer, the commodity and adjustment amounts. The CS loop contains a REF loop, an LX loop and an N1 loop. • Each CS loop may contain only one LX loop. When multiple adjustments are being reported for the same account and commodity, a separate CS loop must be sent for each adjustment being reported.
Validation	<ul style="list-style-type: none"> • 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.
568 Used To Cancel Previously Billed Charges	<ul style="list-style-type: none"> • Where previously billed charges must be adjusted due to incorrect customer information, such as rate or tax information, for example, the ESCO will adjust the previously billed customer charges accordingly and communicate the corresponding debit or credit via a 568 Account Receivables Advisement. • If customer information must also be corrected for use by the Utility in preparation of subsequent bills, the updated customer information must

	<p>be communicated via the 814 Account Maintenance (Change) transactions.</p>
Canceling a 568	<ul style="list-style-type: none"> In the event that a 568 was sent in error, or was inaccurate, a new 568 must be sent to correct the information.
Account Status	<ul style="list-style-type: none"> A 568 A/R Advisement transaction should not be sent when Utility Rate Ready Pay-As-You-Get-Paid consolidated billing is pending for an account.
Adjustment Reason Codes	<ul style="list-style-type: none"> The N9*PHC segment must be sent to describe the nature of the adjustment amount sent in the AMT*BM segment. The Adjustment Reason codes/text will not be used for bill presentation purposes. The code 'FB' may only be used to indicate that the amount sent is a beginning balance. The code 'PT' may only be used to indicate that the amount sent in the transaction is a payment received by the ESCO. The code 'CS' may only be used to indicate that the amount sent is associated with a termination notice or deferred payment agreement initiated by the ESCO. The N903 element must be sent when code 'CS' is used. The N903 element must contain one of the following codes whenever the N902 element contains the code 'CS': <ul style="list-style-type: none"> ➤ DP: Deferred Payment Arrangement Monthly Amount ➤ DW: Deferred Payment Arrangement Down Payment ➤ TA: Termination Notice Amount Supplemental text may <u>not</u> be sent in N903 when the adjustment reason code is 'CS'. Other adjustment reason codes ('02', '48', '50', '72', '74', '81', 'A8', 'B2', 'D1', or 'L3') may be sent alone, or in combination with text sent in the N903 element, to provide more detail about the nature of an adjustment.
<u>Suspension of Development</u>	<ul style="list-style-type: none"> <u>Since no utilities currently support this transaction, further development was suspended as of Version 2.2.</u>

<p>Data Element Attributes</p>	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> a value of one hundred dollars and twenty cents (\$100.20) could be transmitted as 100.2 in an AMT02 element. <div style="border: 1px solid black; padding: 2px; display: inline-block;">AMT~TT~100.2</div> a value of one cent (\$0.01) could be transmitted as .01 in an AMT02 element. <div style="border: 1px solid black; padding: 2px; display: inline-block;">AMT~TT~.01</div> a value of one hundred dollars and zero cents (\$100.00) could be transmitted as 100 in an AMT02 element. <div style="border: 1px solid black; padding: 2px; display: inline-block;">AMT~TT~100</div> a value of minus one hundred dollars and zero cents (-\$100.00) could be transmitted as -100.00 in an AMT02 element. <div style="border: 1px solid black; padding: 2px; display: inline-block;">AMT~TT~-100.00</div> a value of minus one hundred dollars and twenty cents (-\$100.20) could be transmitted as -100.2 in an AMT02 element. <div style="border: 1px solid black; padding: 2px; display: inline-block;">AMT~TT~-100.2</div>
<p>Rejection</p>	<ul style="list-style-type: none"> A 568 Account Receivables Advise ment transaction may be rejected for cause (i.e., validation or syntax errors or data segments/elements are missing or invalid), when the transaction is not sent timely, or when the transaction is a duplicate of one previously sent. To reject a 568 A/R Advise ment, an 824 Application Advice must be sent within 1 business day. Please refer to instructions in the Implementation Guide for that standard for further details. The recipient should not use information sent in a 568 A/R Advise ment transaction to update its customer account records. Changes in customer information must be reported via an 814 Account Maintenance (Change) transaction.
<p>Definitions</p>	<ul style="list-style-type: none"> 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 commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The principal parties involved in this 568Transaction Set Implementation Guide are: <ul style="list-style-type: none"> The end-use customer (Code 8R) The Utility (LDC) (Code 8S) The Supplier (ESCO) (Code SJ).
<p>Companion Documents</p>	<ul style="list-style-type: none"> All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the following

	<p>documents should be reviewed where further clarification is needed:</p> <ul style="list-style-type: none">➤ <i>Consolidated Billing Business Processes - Utility Rate Ready Billing</i>➤ <i>Account Receivables Advisement Business Processes – Utility Rate Ready Consolidated Billing Model</i>➤ <i>Account Assignment Business Processes For All Consolidated Billing Models</i>➤ <i>TS824 Application Advice Transaction Set Standard Implementation Guide</i>➤ <i>TS568 Payment Advisement Transaction Set Standard Implementation Guide</i>➤ <i>Payment Advisement Business Processes – Utility Rate Ready POR with Recourse Consolidated Billing Model</i> <ul style="list-style-type: none">• Further information regarding the processing of EDI transactions may be found in the <i>Technical Operating Profile for Electronic Data Interchange in New York</i>.
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Implementation Guideline Field Descriptions

Segment: **REF** Reference Identification (Utility Customer Account Number)
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 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.

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.

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

Comments: REF~12~011231287654398

One or more examples.

Data Element Summary

	<u>Ref Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 contains the Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification 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)	X AN 1/30

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 Account Receivables 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:

When Utility Rate Ready Pay-As-You-Get-Paid Consolidated Billing is in place, a 568 Account Receivables Advisement transaction is used by the ESCO to notify the Utility of account receivables information when (1) a balance (credit or debit) exists on the customer's account with the ESCO prior to issuance of the first consolidated bill and the ESCO wants the amount displayed as the beginning balance on the bill, (2) an account receivables adjustment on the customer's account with the ESCO originates with the ESCO or (3) the ESCO is communicating amounts associated with a termination/suspension notice or a deferred payment agreement.

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:

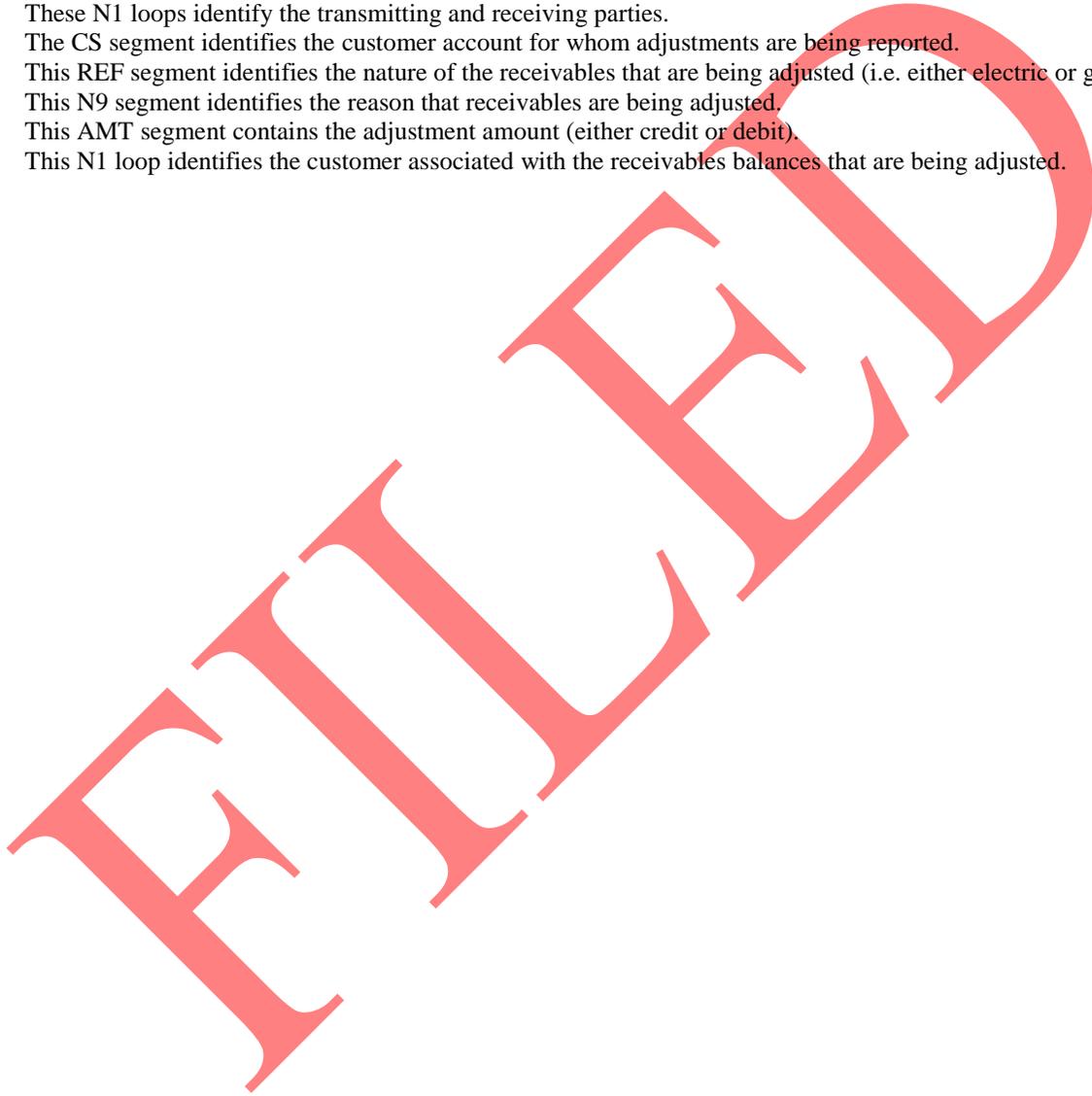
Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - CS						>1	
8	010	CS	Contract Summary (Utility Account Number)	O	1		n4
9	020	N9	Reference Identification (ESCO Customer Account Number)	O	1		
10	020	N9	Reference Identification (Gas Pool ID)	O	1		
11	020	N9	Reference Identification (Utility Account Number for the ESCO)	O	1		
LOOP ID - REF						1	
12	060	REF	Reference Identification (Commodity Type)	M	1		n5
LOOP ID - LX						1	
13	080	LX	Assigned Number	O	1		
14	090	N9	Reference Identification (Adjustment Reason)	M	1		n6
16	100	AMT	Monetary Amount (Amount)	O	1		n7
LOOP ID - N1						1	
17	140	N1	Name (Customer Name)	O	1		n8

Summary:

<u>Page No.</u>	<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>
18	020	SE	Transaction Set Trailer	M		1	
E-1			Examples				

Transaction Set Notes

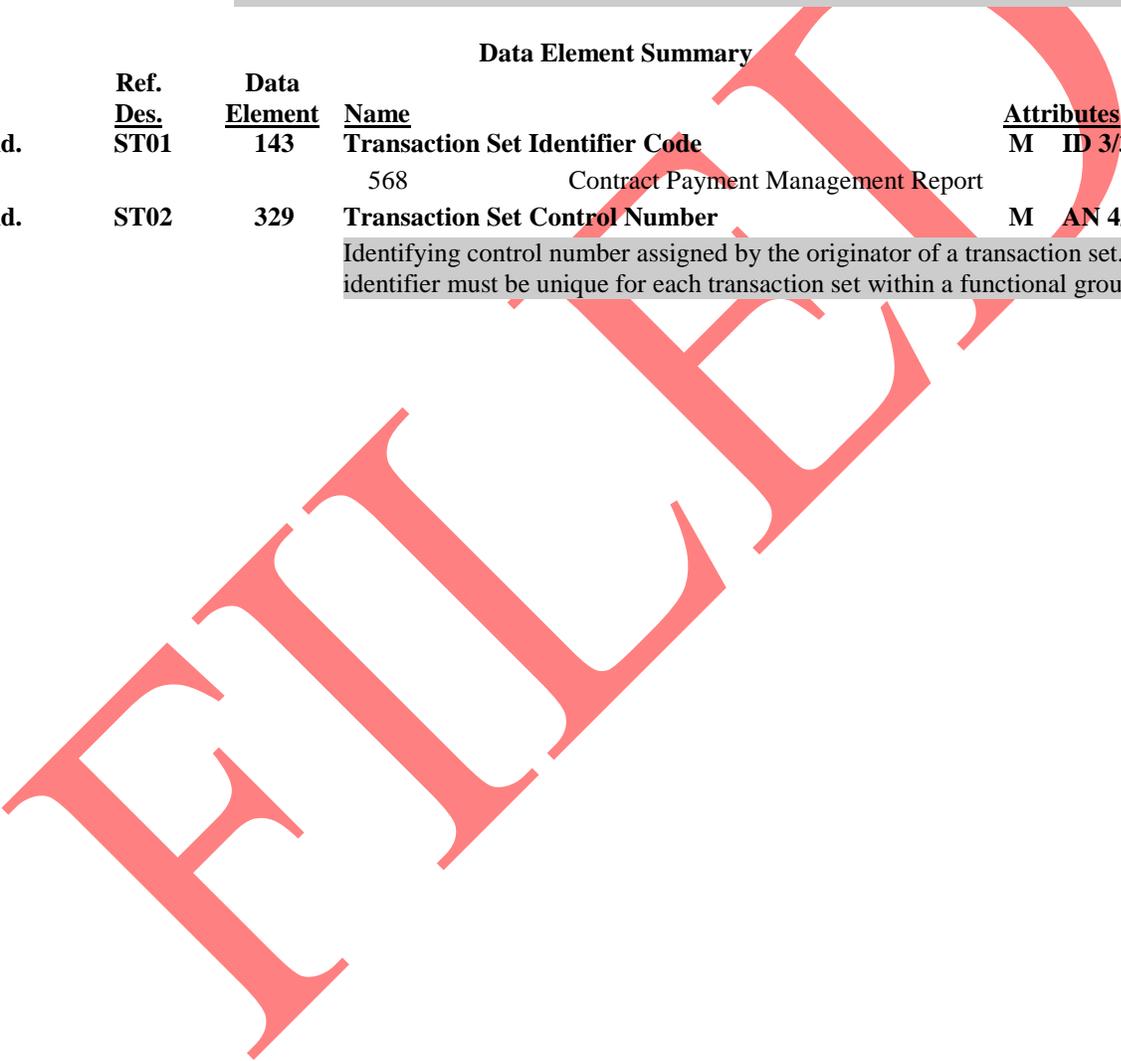
1. The BGN segment identifies the transaction set purpose code, a unique number used to identify this transmission, and the date and time of transaction set creation.
2. This AMT segment identifies the total amount of the adjustments reported in this transaction.
3. These N1 loops identify the transmitting and receiving parties.
4. The CS segment identifies the customer account for whom adjustments are being reported.
5. This REF segment identifies the nature of the receivables that are being adjusted (i.e. either electric or gas charges).
6. This N9 segment identifies the reason that receivables are being adjusted.
7. This AMT segment contains the adjustment amount (either credit or debit).
8. This N1 loop identifies the customer associated with the receivables balances that are being adjusted.



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).
Notes: Required
 ST~568~000000001

Data Element Summary

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



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.

Notes: Required
 BGN~00~200601310001~20060131~~~~BT

Data Element Summary

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

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:
Notes:

Required

Each 568 A/R transaction may contain data for only one customer account but may contain multiple adjustments on that account pertaining to either electric or gas service but not both.

The amount sent in this AMT segment must equal the sum of all amounts sent in the AMT*BM segments in the LX loops in the detail level in this transaction.

AMT~TT~1500

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code TT Total Transaction Amount	M ID 1/3
Mand.	AMT02	782	Monetary Amount Total Amount	M R 1/18

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.

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:
Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code 8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	M ID 2/3
Optional	N102	93	Name 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.	X AN 1/60
Must Use	N103	66	Identification Code Qualifier 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	X ID 1/2
Must Use	N104	67	Identification Code The D-U-N-S number or the Federal Tax ID	X AN 2/80

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:
Notes: Required

N1~SJ~~24~123456789

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code SJ Service Provider Identifies the ESCO participating in this transaction.	M ID 2/3
Optional	N102	93	Name 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.	X AN 1/60
Must Use	N103	66	Identification Code Qualifier 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	X ID 1/2
Must Use	N104	67	Identification Code The D-U-N-S number or the Federal Tax ID	X AN 2/80

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.

Notes: Required

Each CS loop may contain only one LX loop. When the transaction contains more than one payment or adjustment for an account, each payment or adjustment 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~~~12~12345678
 CS~~~12~12345678~U

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CS04	128	Reference Identification Qualifier 12 Billing Account CS05 contains the Utility-assigned account number for the customer.	X ID 2/3
Must Use	CS05	127	Reference Identification 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)	X AN 1/30
Cond.	CS06	324	Purchase Order Number U Un-Metered Where specified in a Utility Maintained EDI Guide, the CS06 element is used to identify adjustments associated with the un-metered service on an electric account in the Utility's service territory.	O AN 1/22

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.
Notes: Optional

N9~11~333444555666

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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

Segment: **N9 Reference Identification (Gas Pool ID)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
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.
Notes: Conditional

Where specified in its Utility Maintained EDI Guide, this segment must be present in transactions sent to the Utility or the transaction will be rejected.

N9~VI~123456789

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N901	128	Reference Identification Qualifier VI Pool Number	M ID 2/3
Must Use	N902	127	Reference Identification Gas Pool ID	X AN 1/30

Segment: **N9 Reference Identification (Utility Account Number for the ESCO)**
Position: 020
Loop: CS Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
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.
Notes: Conditional

Where specified in its Utility Maintained EDI Guide, this segment must be present in transactions sent to the Utility or the transaction will be rejected.

N9~AJ~3134597

Data Element Summary

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

Segment: **REF** Reference Identification (Commodity Type)
Position: 060
Loop: REF Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Notes: Required

This segment must be sent to identify the type of commodity service to which the adjustment sent in the CS Loop applies. All adjustments sent in each 568 Accounts Receivable Advisement must be for the same commodity type.

REF~QY~EL
 REF~QY~GAS

Data Element Summary

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

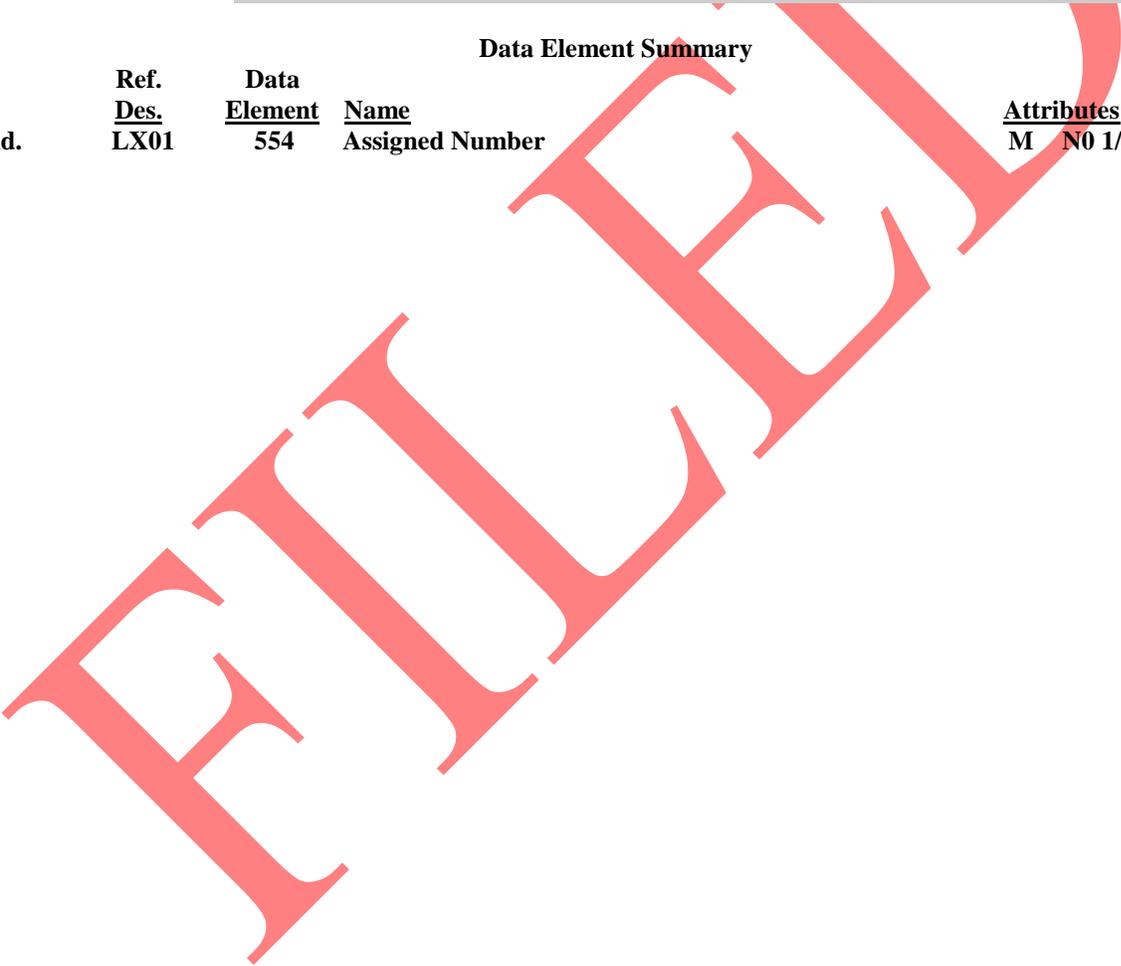
Segment: **LX** Assigned Number
Position: 080
Loop: LX Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Notes:

Required

No more than one LX loop may be sent in each CS loop. When there are multiple adjustments being reported in a transaction, each adjustment must be sent in a separate CS loop. The 'assigned number' sent in this segment will always be "1".

LX~1

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	LX01	554	Assigned Number	M N0 1/6



Segment: **N9 Reference Identification (Adjustment Reason)**
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.

Notes: Required

The N9 segment must be sent to describe the nature of the amount in the AMT*BM segment. The code 'FB' may only be used to indicate that the amount sent is a beginning balance.

The code 'PT' is used to indicate that the amount sent in the transaction is a payment received by the ESCO.

The code 'CS' may only be used when the adjustment is associated with a termination notice or deferred payment agreement initiated by the ESCO.

N9~PHC~50

N9~PHC~A8~ONE MONTH FREE

N9~PHC~CS~TA

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N901	128	Reference Identification Qualifier	M ID 2/3
			PHC	Process Handling Code
				Adjustment Reason
Must Use	N902	127	Reference Identification	X AN 1/30
			02	Allowance/Charge Error
				Undercharge or Credit for Overcharge
			48	Service Charge
				Customer Charge
			50	Late Charge
				Late Payment Charge (LPC)
			72	Returned Items
				Returned checks
			74	Cancel or Adjust Prior Credit/Debit Adjustment
			81	Credit as Agreed
				Adjustment as agreed
			A8	Promotional Allowance
			B2	Rebate
			CS	Adjustment
				This code must be used when the amount pertains to either a termination notice or a deferred payment agreement initiated by the ESCO. When 'CS' is sent in this element, the N903 element is required.
			D1	Transfer Between Accounts

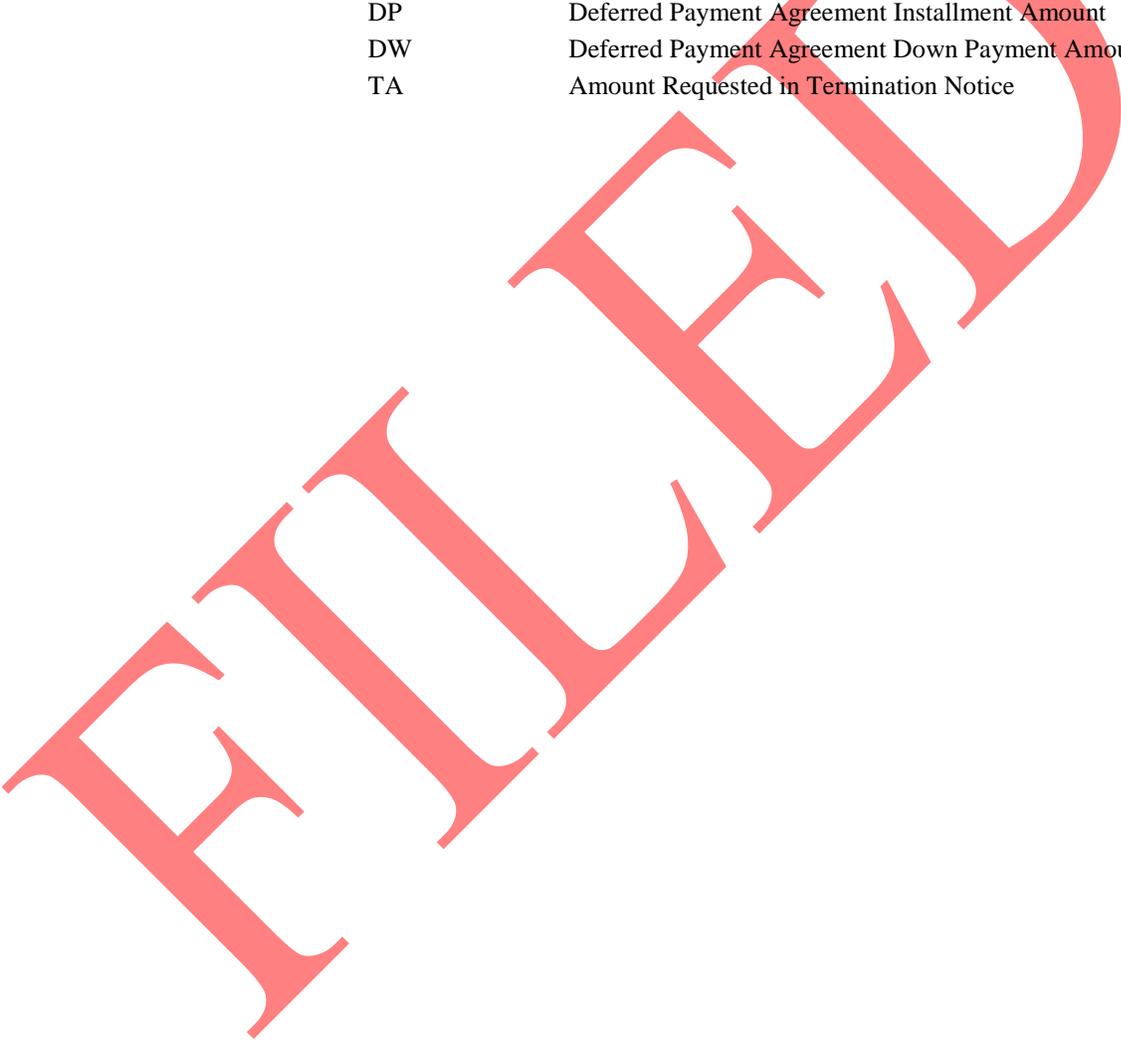
FB Forwarding Balance
 Used to indicate that the amount sent is the customer's beginning balance with the ESCO. Beginning balances must be sent at least 4 days prior to the date the Utility will generate the first consolidated bill for a customer. If beginning balance information is not sent timely, the transaction will be rejected.

L3 Penalty
 PT Payment

Cond. N903 369 Free-form Description X AN 1/45

When N902 contains 'CS' this element must be sent and must contain one of the following codes. When N902 contains any other adjustment code supplemental text may be sent in the N903 element to clarify the nature of the adjustment.

DP Deferred Payment Agreement Installment Amount
 DW Deferred Payment Agreement Down Payment Amount
 TA Amount Requested in Termination Notice



Segment: **AMT** Monetary Amount (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:
Notes:

Required

This segment contains the receivables adjustment for the customer account indicated in the CS05 element in the CS segment.

The sum of all amounts sent in AMT*BM segments in the LX loops in the detail section of the transaction must equal the amount in the AMT*TT segment in the header section of the transaction.

AMT~BM~-130.55

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code BM Adjustments	M ID 1/3
Mand.	AMT02	782	Monetary Amount Adjustment Amount	M R 1/18

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.

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:
Notes:

Optional
 N1~8R~CUSTOMER NAME

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code 8R Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.	M ID 2/3
Must Use	N102	93	Name Customer Name Supplemental text information that may be supplied to provide "eyeball" identification of the customer. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	X AN 1/60

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)

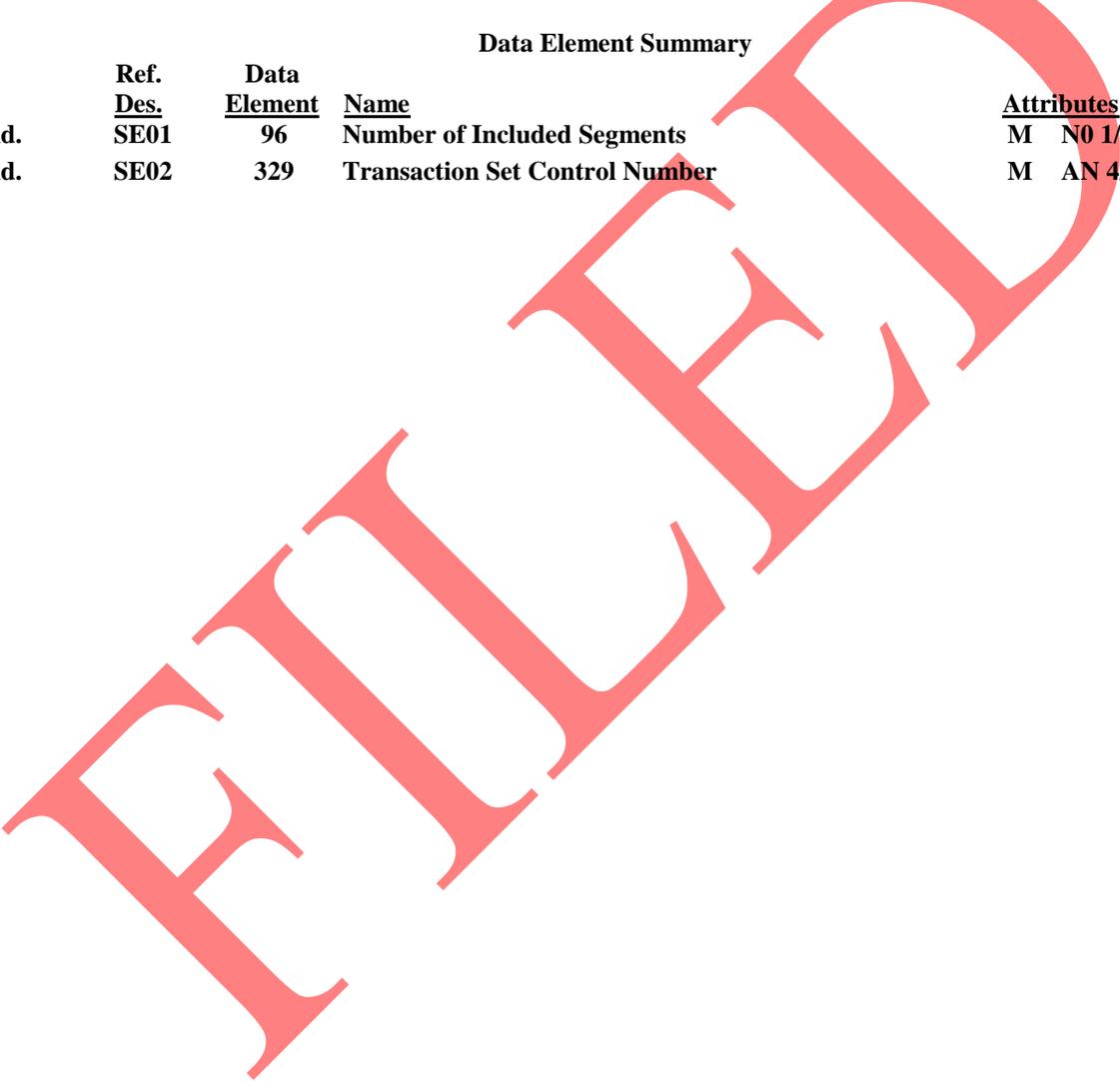
Syntax Notes:

Semantic Notes:

Notes: Required
 SE~15~000000001

Data Element Summary

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



EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for TS568 Account Receivables 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 – Communication of Beginning Balance (Amount Due)

ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200602020001*20060202****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*129.76!	Total Amount is \$129.76
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*FB!	Forwarding Balance Indicator
AMT*BM*129.76!	Customer's Beginning Balance is \$129.76
N1*8R*JOHN SMITH!	Customer Name
SE*13*00000001!	Transaction Set trailer; segment count; control number

Scenario 2 – Communication of Beginning Balance (Credit)

ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200602020001*20060202****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*-25!	Total Amount is a credit of \$25.00
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*FB!	Forwarding Balance Indicator
AMT*BM*-25!	Customer's Beginning Balance is (\$25.00)
N1*8R*JOHN SMITH!	Customer Name
SE*13*00000001!	Transaction Set trailer; segment count; control number

Scenario 3 – Communication of Payment Received by the ESCO

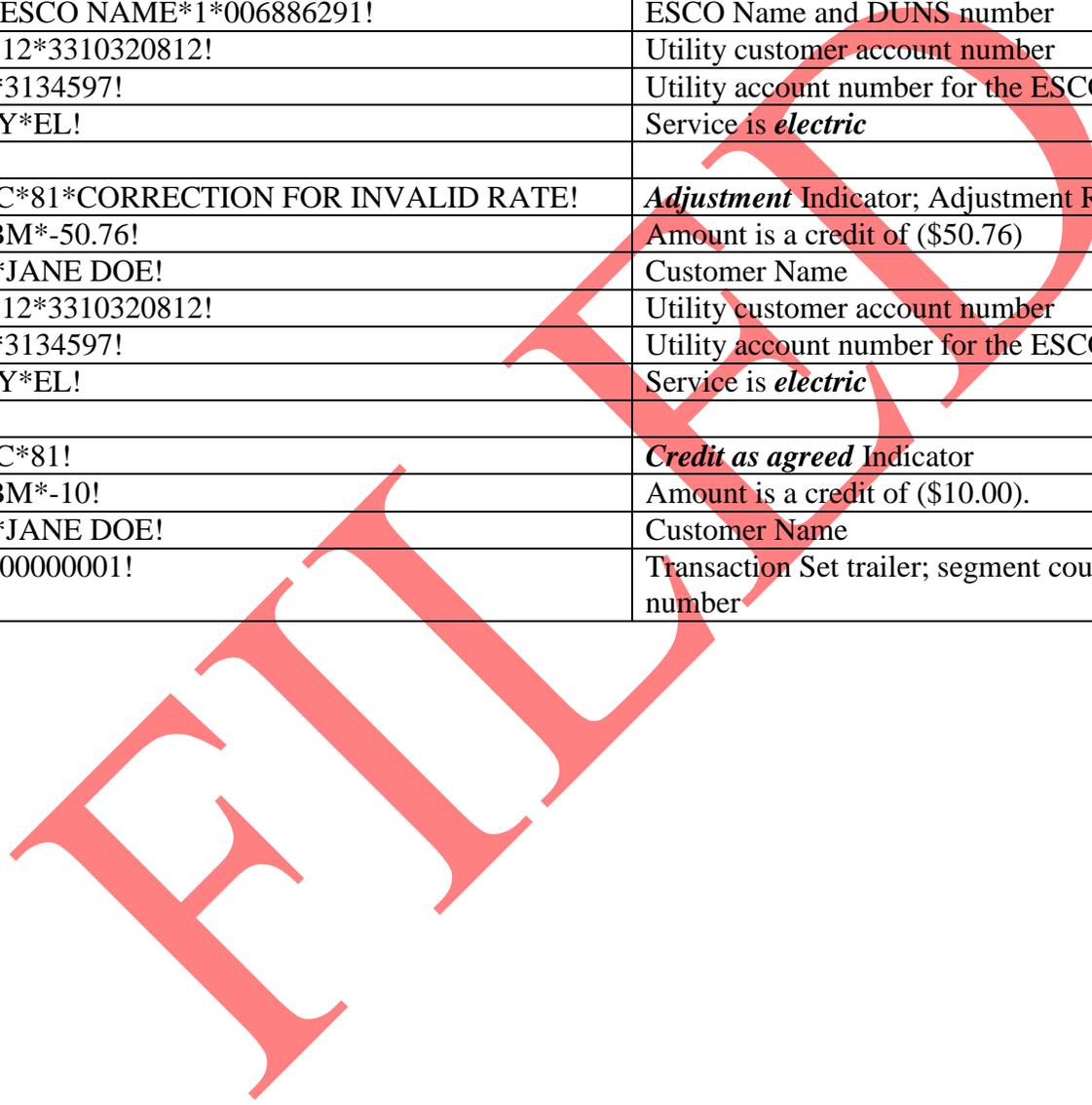
ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200602200001*20060220****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*-129.76!	Total amount for the transaction is a credit of (\$129.76)
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*PT!	Adjustment is a Payment received by the ESCO
AMT*BM*-129.76!	Payment amount is \$129.76
N1*8R*JOHN SMITH!	Customer Name
SE*13*00000001!	Transaction Set trailer; segment count; control number

**Scenario 4 – Reverse Adjustment Communicated in Scenario 3
(Payment Received by the ESCO)**

ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200602290001*20060229****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*129.76!	Total amount for the transaction is \$129.76
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3105819800!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*PT*REVERSE PAYMENT – WRONG ACCOUNT!	Payment Indicator; Adjustment Reason Text
AMT*BM*129.76!	Amount is \$129.76
N1*8R*JOHN SMITH!	Customer Name
SE*13*00000001!	Transaction Set trailer; segment count; control number

Scenario 5 – Multiple Adjustments from ESCO

ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200602020001*20060202****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*-60.76!	Total amount for the transaction is (\$60.76)
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*3310320812!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*81*CORRECTION FOR INVALID RATE!	Adjustment Indicator; Adjustment Reason Text
AMT*BM*-50.76!	Amount is a credit of (\$50.76)
N1*8R*JANE DOE!	Customer Name
CS****12*3310320812!	Utility customer account number
N9*AJ*3134597!	Utility account number for the ESCO
REF*QY*EL!	Service is electric
LX*1!	
N9*PHC*81!	Credit as agreed Indicator
AMT*BM*-10!	Amount is a credit of (\$10.00).
N1*8R*JANE DOE!	Customer Name
SE*20*00000001!	Transaction Set trailer; segment count; control number



Scenario 6 – Communication of Deferred Payment Agreement Amounts

ST*568*00000001!	Transaction Set header; transaction defined is an 568 ; control number assigned by originator
BGN*00*200605170001*20060517****BT!	Transaction is an Original transaction; Unique id number for this transaction; transaction creation date; transaction is a Account Receivables Advisement
AMT*TT*70!	Total amount of the transaction is \$70.00
N1*8S*UTILITY NAME*1*007928763!	Utility Name and DUNS number
N1*SJ*ESCO NAME*1*006886291!	ESCO Name and DUNS number
CS****12*1234588897!	Utility customer account number
N9*VI*123456789!	Gas Pool Id
N9*AJ*555115!	Utility account number for the ESCO
REF*QY*GAS!	Service is <i>gas</i>
LX*1!	
N9*PHC*CS*DW!	Adjustment Indicator, Adjustment is a Deferred Payment Agreement Down Payment Amount
AMT*BM*50!	DPA down payment amount is \$50.00
N1*8R*BRAD JONES!	Customer Name
CS****12*1234588897!	Utility customer account number
N9*VI*123456789!	Gas Pool Id
N9*AJ*555115!	Utility account number for the ESCO
REF*QY*GAS!	Service is <i>gas</i>
LX*1!	
N9*PHC*CS*DP!	Adjustment Indicator, Adjustment is the Deferred Payment Agreement Installment Amount
AMT*BM*20!	DPA installment amount is \$20.00
N1*8R*BRAD JONES!	Customer Name
SE*22*00000001!	Transaction Set trailer; segment count; control number

