

# **ATTACHMENT 12**

# New York Implementation Standard

For

## Standard Electronic Transactions

TRANSACTION SET

# 820 Remittance Advice

Utility Consolidated Billing Models

Ver/Rel 004010

	<b>Summary of Changes</b>
<b>July 31, 2002</b>	<b>Initial Release</b>
<b>May 17, 2006</b>	<b>Version 2.0</b>
	Revised the 'Purpose' section of the Front Matter Notes to expand the scope of 820 remittance transactions to include billing party purchase of customer accounts receivable and to accommodate transmitting amounts owed by, or to be credited to, the non-billing party for services rendered by the billing party.
	The 'RMR Loop' and 'Data Element Attributes' sections of the Front Matter Notes are revised. The RMR Loop section is updated to recognize use of additional codes to distinguish the nature of the credit or debit being communicated. The Data Element Attributes section is revised to reference examples of real number elements in an 820 transaction (rather than in an 810 Invoice transaction).
	The original segment notes for the RMR segment were replaced with more detailed notes clarifying the use of this segment. Additional segment examples were added.
	A code was added to the RMR01 element (14 = Master Account Number) for use by billing parties in differentiating transaction amounts for administrative fees or charges or adjustments to amounts previously sent that are owed by, or to, the non-billing party that are not associated with an individual customer account.
	The element notes for the RMR02 element are revised to include a description of the number that is used to populate this element when RMR01=14 (Master Account Number).
	The description for code 'AJ' (Adjustment) in the RMR03 element is expanded to accommodate its use in identifying adjustments associated with a customer payment, the purchase of a customer account receivable or to amounts owed to, or by, the non-billing party that are unrelated to an individual customer account.
	Code 'PR' (Progress Payment) was added to the code list for the RMR03 element to designate amounts associated with the purchase of a customer account receivable.
	New text was added to the element note for RMR04 to clarify the nature of the amount sent in this element when RMR03 contains AJ, PO or PR.
	A new element was added to the RMR segment (RMR05=Invoiced Amount) to communicate the total amount billed to the customer for the current period. This element is used when RMR03=PR (Purchased Receivables) and should equal the amount in the TDS segment of the applicable 810 Invoice for the customer either sent to the billing party (Bill Ready) or received from the billing party (Rate Ready).
	A new element was added to the RMR segment (RMR06=Discount Amount) to communicate the amount of the discount (which may be zero) when RMR03=PR (Purchased Receivables). This amount should be preceded by a minus sign unless it is zero. The amount in RMR05 plus the amount in RMR06 should equal the cash remitted to the non-billing party for purchase of a customer receivable (i.e. the amount sent in RMR04).

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	The element note for RMR07 was revised to clarify its use when RMR01=14 (Master Account Number).
	New codes were added to the RMR07 code list. Code '16' is used to designate that the adjustment pertains to prior period purchase of a customer receivable. Code '55' is used for adjustments related to taxes unpaid by the customer. Code 'D6' is used to charge back "lesser than amounts" arising from payment to effect a reconnection of service (residential customers subject to HEFPA) that cannot be collected by the billing party.
	A note was added to code CS in RMR07 code list to indicate that this code must be used when RMR01=14 (Master Account Number).
	The segment notes for the NTE*CCG (Customer Name), REF*6O (Cross Reference Number), and REF*IK (Invoice Number) are revised to clarify the use of each segment when RMR01=14 or RMR01=12 and RMR03=PR: In addition, the usage attribute for the REF*IK segment is revised from Optional to Conditional.
	The element note for REF02 in the REF*45 segment (Previous Utility Account Number) is corrected to indicate that the current Utility Account Number for the customer should be communicated in the RMR02 element in the RMR segment.
	A REF03 element was added to the REF*QY (Commodity) segment to enable Orange & Rockland Utilities to distinguish between payments/adjustments associated with the un-metered portion of service on an electric account. The usage attribute for the REF*QY segment was changed from Optional to Conditional.
	The segment note for the DTM*809 segment (Date Posted) is revised to clarify when this segment must be sent.
	All dates used in segment examples or in appended scenarios were updated to reflect 2006 dates.
	The amount displayed in the BPR segment in the Scenario 1 example was revised from 49.99 to 74.99 to display the correct total amount of the remittance (99.99 less adjustment of -25.00).
	The syntax for the Scenario 2 example was updated to reflect new or revised segments, elements or codes.
	Additional scenarios were added to the examples to display the proper syntax when RMR01=14 (Master Account Number) or RMR03=PR (Progress Payment).
<b>July 24, 2015</b>	<b>Version 2.1</b>
	Replaced references to Marketer and E/M with ESCO.
	A new code was added to the RMR07 code list. Code 'GR' is used to designate deduction of APP Credits from POR payment to ESCOs. An example was added to the Notes section of the RMR Segment.

<b>June 30, 2016</b>	<b>Version 2.2</b>
	<ul style="list-style-type: none"> <li>• Existing references to APP Credits are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit.</li> <li>• Modifications made to clarify signage for EPA Credits and adjustments to EPA Credits, which are real numbers.</li> <li>• Updates to gray box notes for REF*IK and REF*6O indicating when they should not be sent.</li> <li>• Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment.</li> <li>• Added example transactions.</li> </ul>

DRAFT

	<b>Notes pertaining to the use of this document</b>
Purpose	<ul style="list-style-type: none"> <li>• This 820 Remittance Advice Transaction Set is used to transmit Remittance information to the ESCO when a consolidated bill is to be rendered and funds are owed to the non-billing party. These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> <li>• An 820 Remittance transaction is used to transmit details regarding payments or adjustments pertaining to either (1) the non-billing party's share of customer payments received by the billing party or (2) billing party purchase of a non-billing party customer receivable.</li> <li>• At the discretion of the billing party, an 820 Remittance transaction may be used to communicate amounts owed by (or to be credited to) the non-billing party for services performed by the billing party such as consolidated billing services, collection activities, balancing charges, late fees, etc.</li> <li>• This implementation guide is not intended for use from the Utility or ESCO to the bank. However, please note the format requirements for the re-association trace number in the banking transaction as outlined below.</li> <li>• This guideline is presented from the perspective of the sender initiating the payment remittance advice.</li> </ul>
Multiple accounts/ commodities per 820	<ul style="list-style-type: none"> <li>• Each transaction may contain multiple accounts for multiple commodities (i.e., electric and gas). When the Utility is preparing a consolidated bill for both electric and gas charges on behalf of the ESCO payments received from the customer may be itemized separately for gas and electric charges in the 820 Advice or the payment information sent may pertain to both commodities.</li> </ul>
Validation Field	<ul style="list-style-type: none"> <li>• Transactions will be validated based on the customer's utility account number (with check digit, if included).</li> </ul>
RMR Loop	<ul style="list-style-type: none"> <li>• Multiple RMR Loops may be sent in each 820 Remittance transaction but each Loop may contain information on only a single transaction amount for a single account.</li> <li>• The RMR Loop contains several REF segments used to further identify the account, such as Commodity, Previous Utility Account Number, ESCO Account Number, Cross Reference Number and Invoice Number.</li> <li>• The RMR Loop contains a single RMR segment.</li> <li>• The RMR segment contains the account number for which the payment, purchase of receivable or payment adjustment is being transmitted. The account number in the RMR02 element will be either:                         <ul style="list-style-type: none"> <li>➢ The customers utility account number (RMR01=12),</li> <li>➢ The utility assigned account number for the ESCO (RMR01=14), or</li> <li>➢ A 'dummy' account number assigned by the utility to define the nature of the amount sent in the RMR04 and RMR08 element (RMR01=14). Each utility may assign multiple 'dummy' account numbers but only one number may be used in each RMR Loop.</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>The RMR segment also contains a code (AJ, PO or PR) to identify the nature of the amount being communicated, the dollar amount of the transaction, the gross amount of the receivable and the associated discount (purchased receivables only) and an adjustment reason where applicable.</li> </ul>
<p>Remittance Advice Must Match Payment Amount Or Negative Remittance</p>	<ul style="list-style-type: none"> <li>The 820 transaction total sent in the BPR02 element should equal the sum of the individual payments/adjustments sent in each RMR loop within that transaction when that sum is a positive number.</li> <li>The 820 Remittance transaction includes both payments and payment adjustments and for a specific business day for a specific trading partner, the sum of the individual payments/ adjustments sent in each RMR loop within a transaction may be a negative number. Parties will document in their Billing Services Agreements the process to be used when the sum of the individual items in a Remittance Advice is a negative amount. Processes that may be used include: <ul style="list-style-type: none"> <li>➤ (A) holding the 820 Remittance for one day or more to allow for payments and reversals included in the 820 Remittance of the following day(s) to offset the negative remittance amount;</li> <li>➤ (B) sending a Remittance Advice where BPR02 is “zero” but the sum of the detail amounts is a negative number; or</li> <li>➤ (C) sending a Remittance Advice where BPR02 is a negative number when the detail amounts is a negative number.</li> </ul> </li> </ul>
<p>Re-association Trace Number</p>	<ul style="list-style-type: none"> <li>The recipient of an 820 Remittance Advice must be able to reconcile amounts transmitted in the Advice transaction with the amount of the corresponding funds transfer. <b>It is imperative that when the funds and the Remittance Advice are sent separately that the payee be able to re-associate the two and validate that the amounts match.</b> In order to facilitate the re-association, certain requirements have been outlined. These requirements are based upon an understanding of the various methods of funds transfer which are described below: <ul style="list-style-type: none"> <li>➤ CCD (Cash Concentration/Disbursement): This financial transaction is not a supported standard in the New York market because it does not carry the Addenda Record (80 character reference number).</li> <li>➤ CCD+ (Cash Concentration/Disbursement Plus Addenda): This financial transaction requires an 80 character addenda record, which will contain the Re-association Trace Number that matches the number provided in the TRN02 of this transaction. The trace number will travel with the payment through the ACH system to the receiver’s financial institution, which posts the payment to the receiver’s account using this number.</li> <li>➤ Fed Wire – The Originator to Beneficiary Information (OBI) field accomplishes the same objective as the addenda record referenced above for CCD+. The OBI field requires a 140 character (OBI) Field 6000 of Fed Wire File Layout that is the CR-originated reference number</li> <li>➤ CTX (Corporate Trading Exchange) – Payment instructions and all</li> </ul> </li> </ul>



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	<p>200207190001.</p> <p>In Example 3, the DUNS+4 number is 007909127ABCD and the unique number is 200207190001. (The +4 in positions 12-15 can be alpha or numeric)</p>
<p>Rejection</p>	<ul style="list-style-type: none"> <li>• An 820 Remittance Advice transaction may contain payment information for more than one customer account. 824 Application Advice transaction(s) may be used to reject one or more payments at the account level or may be used to reject the entire 820 transaction. In general, an 820 Remittance transaction may be rejected when it contains validation or syntax errors or required data segments/elements are missing or invalid. Instructions in the 824 Application Advice Implementation Guide should be reviewed for further details.</li> <li>• Possible rejection responses at an individual customer account level include validation failures (A76), errors in commodity type (A91), invalid relationship (sender and receiver do not have a consolidated billing relationship for the customer indicated), invoice number (where sent) is invalid or missing (A84) or other (A13).</li> <li>• Possible rejection responses at the transaction level include transaction is a duplicate of a previously transmitted transaction (ABN), the transaction total sent in the BPR02 element is a positive number but that amount does not equal the sum of the individual payments sent in each RMR loop (SUM), the sum of the individual payments sent in each RMR loop is a negative number and the recipient does not accept negative numbers (TCN), the recipient of the 820 Remittance does not have a consolidated billing relationship with the sender of the transaction (A84), the ID number for the either the payer or payee is invalid or missing (D76) or other (A13).</li> <li>• Applicable rejection reasons will vary by the type of payment processing method being used and the procedures for handling negative remittances. The rejection reasons applicable in a specific Utility service territory will be documented in the Billing Services Agreements executed between the billing and non-billing parties.</li> </ul>
<p>Data Element Attributes</p>	<ul style="list-style-type: none"> <li>• Data elements whose X12 attribute type is ‘R’ (for example the BPR02 or the RMR04 elements) 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. For example, the value \$100.00 may be transmitted as 100, 100.0 or 100.00 in an “R” type data element.</li> <li>• In some instances (see Notes regarding negative remittances above), the</li> </ul>

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	<p>amount sent in BPR02 will be a negative number. Even though BPR02 is a real number, a minus sign should not be used in that element to indicate the character of the amount. Instead, the codes sent in BPR03 will be used to indicate the character of the amount sent in the BPR02 element.</p>
<p>Timing of the transactions</p>	<ul style="list-style-type: none"> <li>• As noted in the Business Process Document, <b>the funds transfer and the remittance advice must be generated on the same business day.</b> It should be noted, however, that the timing for receipt of the funds may vary from receipt of the 820 Remittance Advice. The lag between receipt of the Remittance Advice and the date the funds are deposited in the payee’s account is dependent upon the complexity of the funds transfer and the individual financial institution(s) processing procedures.</li> </ul>
<p>Definitions</p>	<ul style="list-style-type: none"> <li>• 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 820 Transaction Set implementation guide are:             <ul style="list-style-type: none"> <li>➢ The Utility as Payer (LDC) (Code PR)</li> <li>➢ The Supplier as Payee (ESCO) (Code PE).</li> </ul> </li> </ul>
<p>Companion Documents</p>	<ul style="list-style-type: none"> <li>• 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 necessary:             <ul style="list-style-type: none"> <li>➢ <i>Remittance Advice Business Process Document</i></li> <li>➢ <i>Utility Bill Ready Business Process Document</i></li> <li>➢ <i>Utility Rate Ready Business Process Document</i></li> <li>➢ <i>810 Invoice Implementation Guides for Utility Consolidated Billing</i></li> <li>➢ <i>824 Application Advice Implementation Guide</i></li> </ul> </li> <li>• 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>.</li> </ul>

## 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.  
**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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>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 non-alphanumeric characters. (Characters added to aid in 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

# 820 Payment Order/Remittance Advice

Functional Group ID=**RA**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

## Heading:

<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>
3	010	ST	Transaction Set Header	M	1		
4	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
6	035	TRN	Trace	O	1		
7	050	REF	Reference Identification (Utility Account Number for the ESCO)	O	1		
8	060	DTM	Date/Time Reference (Transaction Creation Date)	O	1		
						LOOP ID - N1	1
9	070	N1	Name (Payer)	O	1		
						LOOP ID - N1	1
10	070	N1	Name (Payee)	O	1		

## Detail:

<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>
						LOOP ID - ENT	1
11	010	ENT	Entity	O	1		n1
						LOOP ID - RMR	>1
12	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		
18	160	NTE	Note/Special Instruction (Customer Name)	O	1		
19	170	REF	Reference Identification (ESCO Customer Account Number)	O	1		
20	170	REF	Reference Identification (Previous Utility Account Number)	O	1		
21	170	REF	Reference Identification (Cross Reference Number)	O	1		
22	170	REF	Reference Identification (Invoice Number)	O	1		
23	170	REF	Reference Identification (Commodity)	O	1		
24	180	DTM	Date/Time Reference (Date Posted)	O	1		

**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>
25	010	SE	Transaction Set Trailer	M		1	
E - 1			Examples				

**Transaction Set Notes**

1. The ENT loop is for vendor or consumer third party consolidated payments.

**Transaction Set Comments**

1. The TRN Segment is used to uniquely identify a payment order/remittance advice.

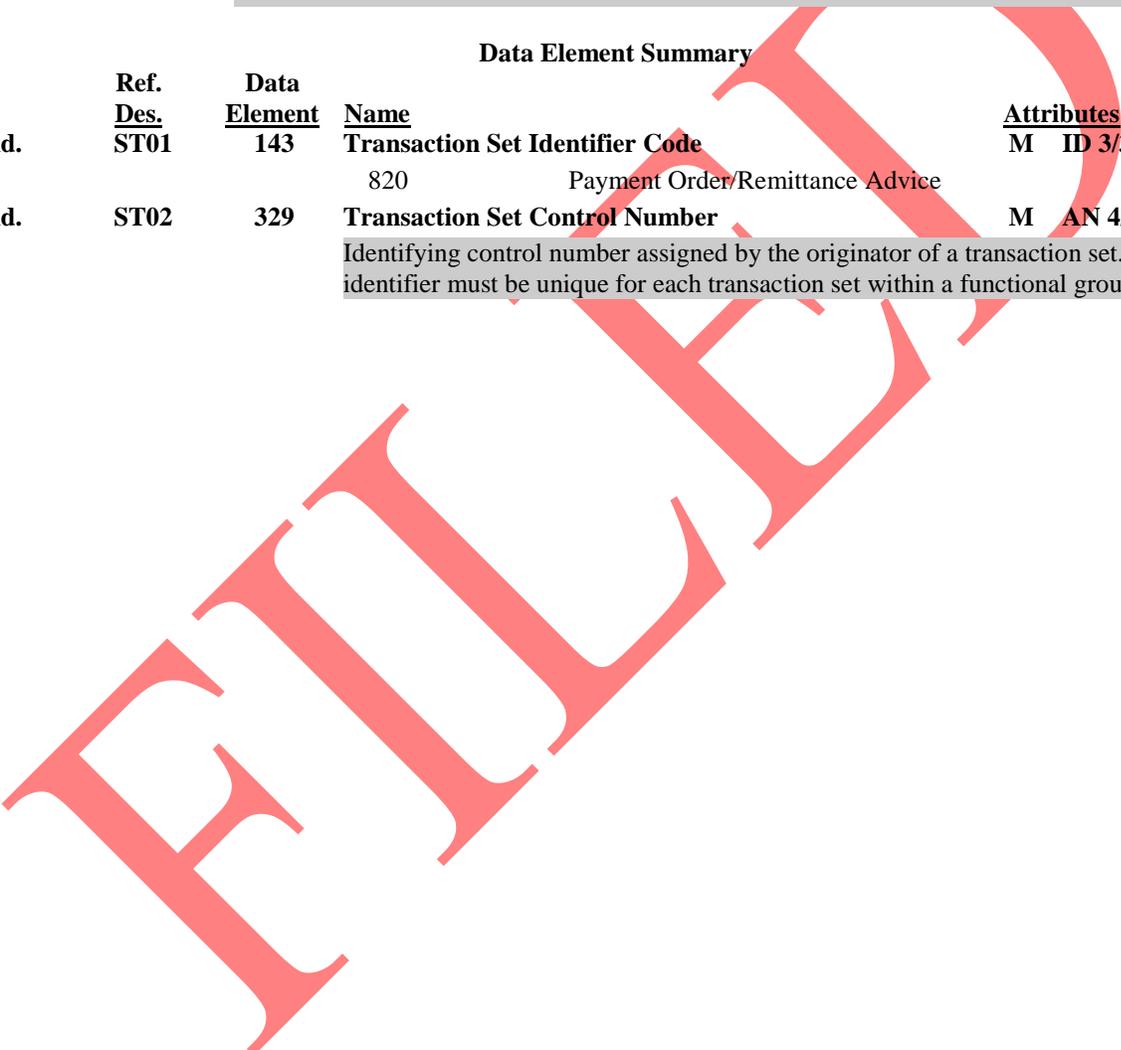


**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) 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~820~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	ST01	143	Transaction Set Identifier Code 820 Payment Order/Remittance Advice	M ID 3/3
Mand.	ST02	329	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:** **BPR** Beginning Segment for Payment Order/Remittance Advice

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

**Syntax Notes:** 1 If either BPR06 or BPR07 is present, then the other is required.

2 If BPR08 is present, then BPR09 is required.

3 If either BPR12 or BPR13 is present, then the other is required.

4 If BPR14 is present, then BPR15 is required.

5 If either BPR18 or BPR19 is present, then the other is required.

6 If BPR20 is present, then BPR21 is required.

**Semantic Notes:** 1 BPR02 specifies the payment amount.

2 When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used. BPR06 and BPR07 relate to the originating depository financial institution (ODFI).

3 BPR08 is a code identifying the type of bank account or other financial asset.

4 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

5 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).

6 BPR14 is a code identifying the type of bank account or other financial asset.

7 BPR15 is the account number of the receiving company to be debited or credited with the payment order.

8 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

9 BPR17 is a code identifying the business reason for this payment.

10 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.

11 BPR20 is a code identifying the type of bank account or other financial asset.

**Notes:** Required

The 820 remittance advice will be sent on a daily basis, when applicable, and will include all applicable adjustments as outlined in the guides as long as the credit adjustments are not larger than the total payments and debit adjustments. Refer to the Business Process Document for handling of a negative remittance.

BPR~I~1000.20~C~ACH~~~~~20060523

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	BPR01	305	Transaction Handling Code	M ID 1/2
			I Remittance Information Only	
Mand.	BPR02	782	Monetary Amount	M R 1/18

The total amount of the payment. The BPR02 element must equal the sum of all RMR04 elements except for when sending a zero in the case of a negative remittance advice. The procedure for handling negative remittances will be determined by the parties and documented in the Billing Services Agreement (BSA).

This data 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.

**Mand. BPR03 478 Credit/Debit Flag Code M ID 1/1**

C Credit  
D Debit

**Mand. BPR04 591 Payment Method Code M ID 3/3**

ACH Automated Clearing House (ACH)  
CHK Check  
FEW Federal Reserve Funds/Wire Transfer - Repetitive  
FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive

**Optional BPR16 373 Date O DT 8/8**

The date the originating company intends for the transaction to be settled (i.e., Payment Effective Date). This date may be different from the actual settlement date, which is the date your bank is debited or credited by the Federal Reserve for this item.

FILED

**Segment:** **TRN** Trace  
**Position:** 035  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To uniquely identify a transaction to an application  
**Syntax Notes:**  
**Semantic Notes:** 1 TRN02 provides unique identification for the transaction.  
 2 TRN03 identifies an organization.  
 3 TRN04 identifies a further subdivision within the organization.

**Notes:** Required

This number will be included on the funds transfer (in the addenda record, OBI Field for Wire, or Check Stub as outlined in the Front Matter) and will be formatted as:

Position 1 - 2 CP (stands for Consolidated Payment)  
 Position 3 - 15 Federal Tax ID, DUNS Number, or DUNS +4 Number

Note: If the Federal Tax ID or DUNS Number are used, you must append four spaces to the end to fill positions 12-15.

Position 16 - 30 A unique reference number, from 1 to 15 characters that identifies this remittance. This number must be unique over time.

For example,  
 Payer's DUNS number = "007111957"  
 Unique Reference Number = "20060501001"  
 The funds transfer must include: "CP0079111957 20060501001"

TRN~3~CP1031954108 20060501001 Fed Tax ID Number Example  
 TRN~3~CP0079111957 20060501001 DUNS Number Example  
 TRN~3~CP0079111957PLUS20060501001 DUNS+4 Example

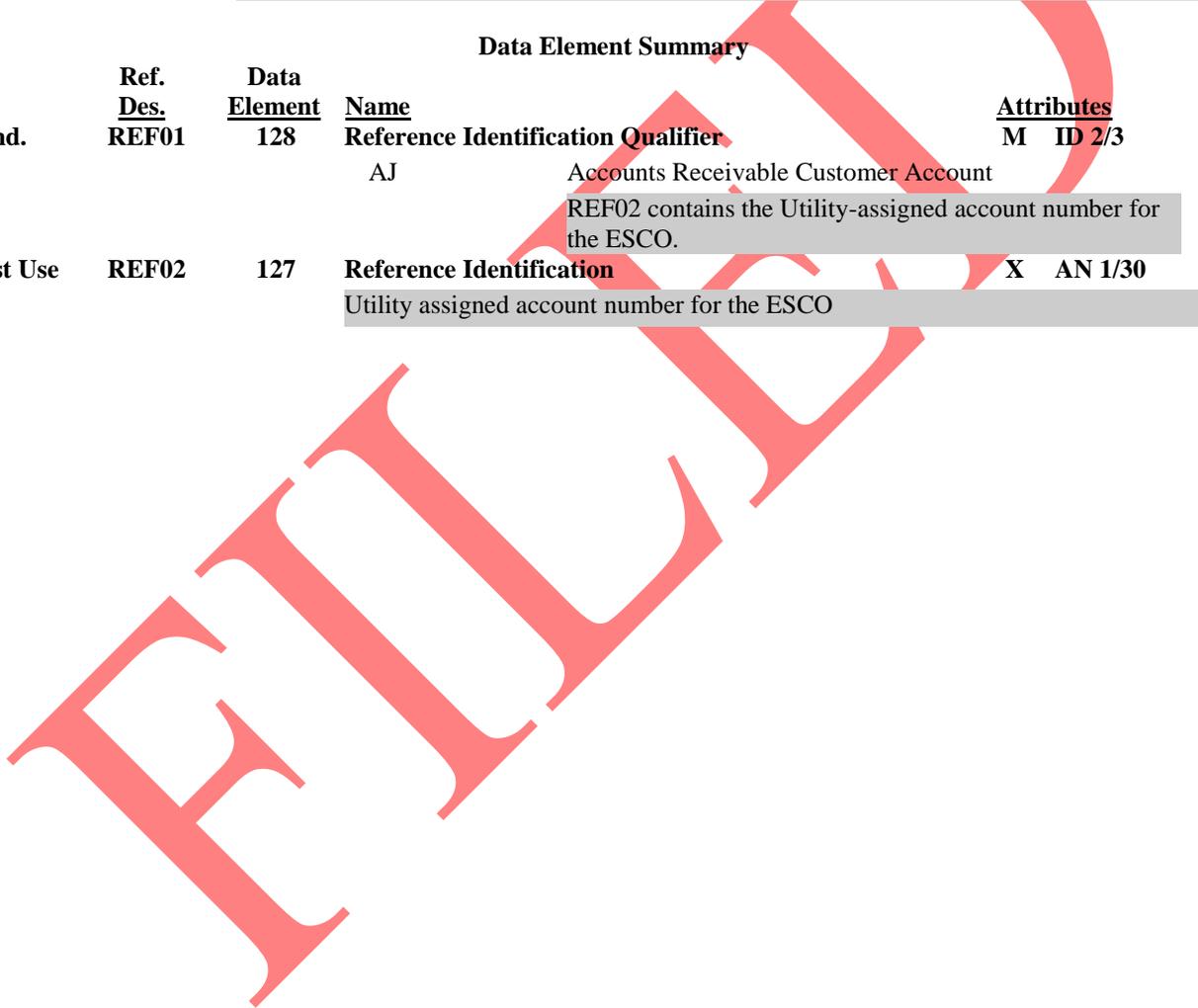
**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	TRN01	481	Trace Type Code	M ID 1/2
			3 Financial Re-association Trace Number	
Mand.	TRN02	127	Reference Identification	M AN 1/30
			Unique Number identifying this remittance advice, used to associate the remittance advice to the payment.	

**Segment:** **REF** Reference Identification (Utility Account Number for the ESCO)  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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:** Optional  
 REF~AJ~3134597

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier AJ Accounts Receivable Customer Account REF02 contains the Utility-assigned account number for the ESCO.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned account number for the ESCO	X AN 1/30



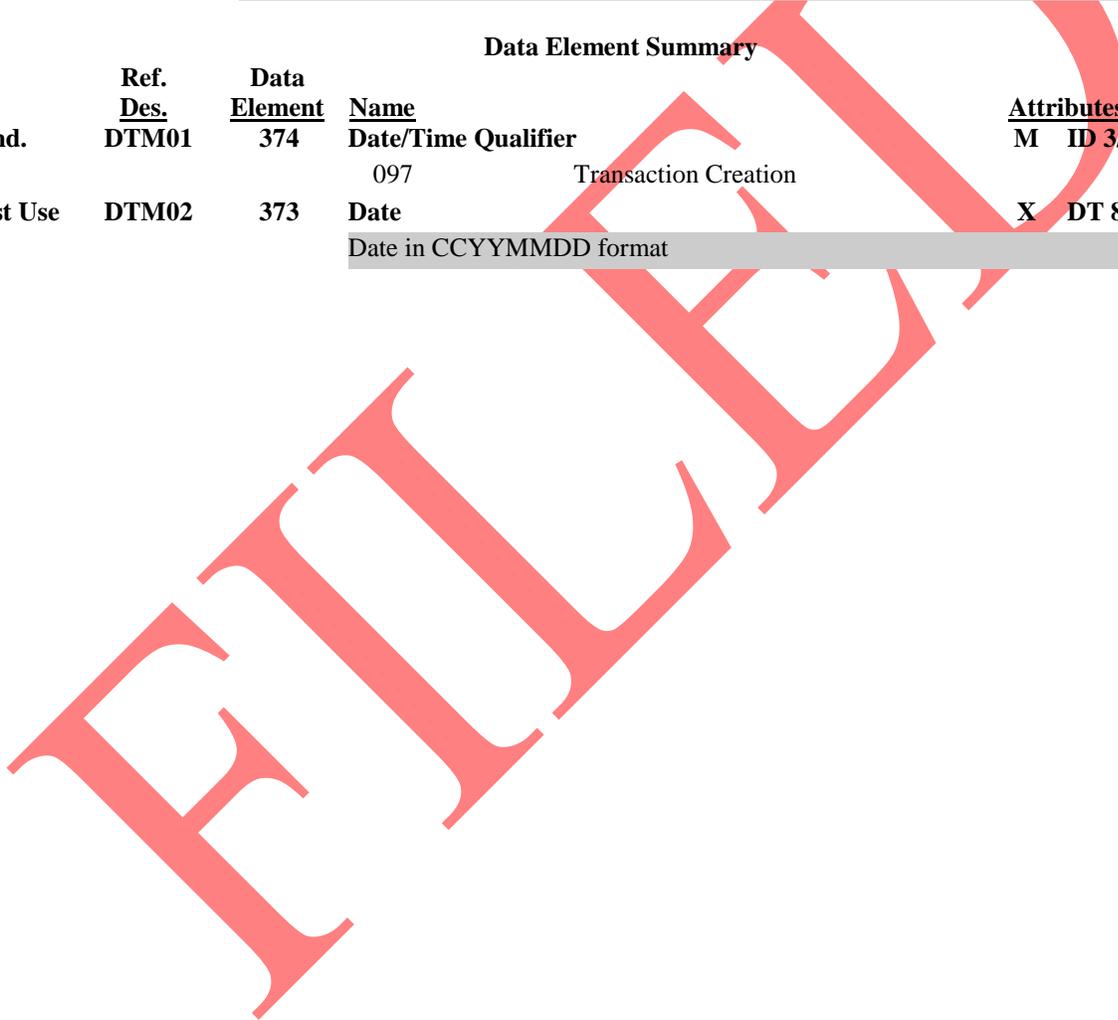
**Segment:** **DTM** Date/Time Reference (Transaction Creation Date)  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:** 1 At least one of DTM02 DTM03 or DTM05 is required.  
 2 If DTM04 is present, then DTM03 is required.  
 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Notes:** Required  
 DTM~097~20060521

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 097 Transaction Creation	M ID 3/3
Must Use	DTM02	373	Date Date in CCYYMMDD format	X DT 8/8



**Segment:** N1 Name (Payer)  
**Position:** 070  
**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~PR~PAYER COMPANY~1~007111957

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code PR Payer Initiator of the payment/remittance advice	M ID 2/3
Optional	N102	93	Name Payer Name Supplemental text information that may be supplied to provide "eyeball" identification of the Payer. 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 (Payee)  
**Position:** 070  
**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~PE~PAYEE COMPANY~1~007191969

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	N101	98	Entity Identifier Code PE Payee Receiver of the payment/remittance advice	M ID 2/3
Optional	N102	93	Name Payee Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the Payee. 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:** **ENT** Entity

**Position:** 010

**Loop:** ENT Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

**Syntax Notes:** 1 If any of ENT02 ENT03 or ENT04 is present, then all are required.

2 If any of ENT05 ENT06 or ENT07 is present, then all are required.

3 If either ENT08 or ENT09 is present, then the other is required.

**Semantic Notes:**

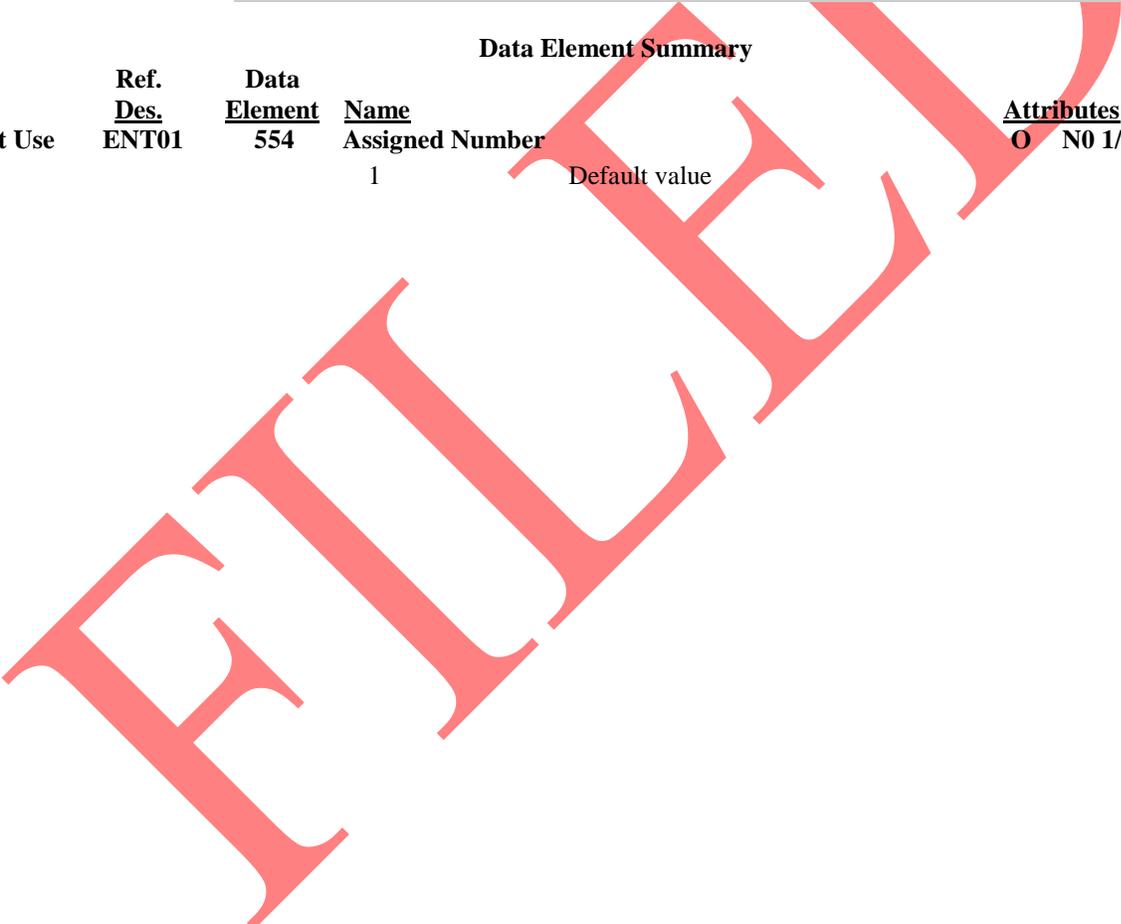
**Notes:** Required

There will only be one ENT Loop per 820 and the ENT01 will always have a value of 1.

ENT~1

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Assigned Number</u>	
Must Use	ENT01	554	Assigned Number 1	O N0 1/6 Default value



**Segment:** **RMR** Remittance Advice Accounts Receivable Open Item Reference  
**Position:** 150  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

**Syntax Notes:**  
**1** If either RMR01 or RMR02 is present, then the other is required.  
**2** If either RMR07 or RMR08 is present, then the other is required.

**Semantic Notes:**  
**1** If RMR03 is present, it specifies how the cash is to be applied.  
**2** RMR04 is the amount paid.  
**3** RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.  
**4** RMR06 is the amount of discount taken.  
**5** RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

**Notes:** Required

Each RMR loop must contain an RMR segment. The RMR segment is used to communicate payment or purchased receivable information (customer account level) or adjustment details (customer or master account level) for each individual account included in the banking transaction identified in the TRN segment. Each RMR Loop should contain remittance details for a single account (either customer or master).

A rate ready utility that supports use of the GR code to indicate billed price guarantee credits in circumstances other than an ESCO Pricing Adjustment (EPA), e.g. an Assistance Program Participant (APP) Credit, should state such in its Utility Maintained EDI Guide. Note that EPA Credits are real numbers and signed negatively. Adjustments to EPA Credits that reduce a previously issued EPA Credit are signed positively.

RMR~12~011231287654398~PO~1000.2  
 RMR~14~9999900001~AJ~-13068.92~~~CS~-13068.92  
 RMR~14~3134597~AJ~3005.56~~~CS~3005.56  
 RMR~12~000141679~AJ~72.31~~~86~72.31  
 RMR~12~1238975432~PR~45.29~45.29~00.0  
 RMR~12~1238975432~PR~37.79~38.27~- .48  
 RMR~12~000141679~AJ~-99.00~-100.00~1.00~GR~-99.00

**Data Element Summary**

<b>Must Use</b>	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
	<b>RMR01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>X ID 2/3</b>
			12 Billing Account	
			RMR02 contains the Utility-assigned account number for the customer.	
			14 Master Account Number	
			When RMR01= 14, RMR02 will be populated with either:	
			- the Utility assigned account number for the ESCO (the same number sent in the header section in REF*AJ)	
			OR	
			- a generic account number assigned and defined by the billing party to describe the nature of the remittance amount.	
			This code should not be used to describe payments or adjustments pertaining to customer accounts.	

**Must Use RMR02 127 Reference Identification X AN 1/30**

When RMR01 = 12, this element will contain the customer's utility account number. This account number must be supplied without intervening spaces or non-alphanumeric characters (i.e. characters added to aid in visual presentation on a bill, for example, should be removed).

When RMR01 = 14, this element will contain either the Utility assigned account number for the ESCO (the same number sent in REF\*AJ in the header section) or a generic account number assigned by the billing party to describe the nature of the amount sent in RMR04 and RMR08 such as

9999900000 = fees for consolidated billing services  
 9999900001 = collection activity fees  
 9999900002 = gas balancing charges, etc.

When RMR01=14 the adjustment is NOT associated with a specific customer account.

The REF\*QY may be used to designate whether a payment, purchased receivable or adjustment pertains to electric, gas or both commodities.

**Must Use RMR03 482 Payment Action Code O ID 2/2**

When RMR01 = 14, RMR03 must contain 'AJ' and the code 'CS' must be used in RMR07.

When RMR01 = 12, RMR03 may contain either AJ, PO or PR

AJ Adjustment

Indicates that the amount sent in RMR04 is either an adjustment for a previously remitted customer payment (RMR01=12), or an amount previously remitted to purchase a customer receivable (RMR01=12), or represents charges/credits owed by, or to, the non-billing party that are unrelated to an individual customer account (RMR01=14).

When AJ is sent in RMR03, an RMR07 element must be sent to describe the nature of the adjustment.

PO Payment on Account

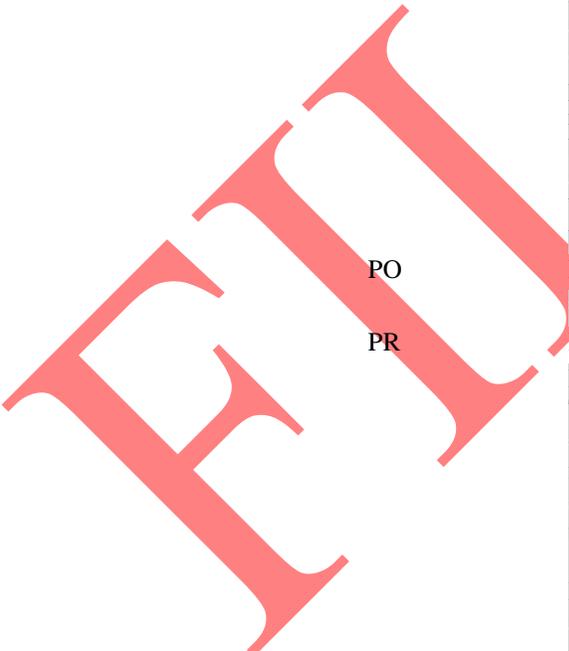
Customer Payment (Pay-As-You-Get-Paid Only)

PR Progress Payment

Purchased Receivables Only

The amount in RMR04 is the net amount of the customer receivable being purchased by the billing party for the customer account indicated in RMR02 and should equal the cash remitted in the banking transaction.

RMR03 should be populated with 'AJ' (not PR) if the amount in RMR04 is an adjustment to an amount remitted in a prior period for purchased receivables.



**Must Use RMR04 782 Monetary Amount**

**O R 1/18**

**Adjustment or Payment on Account or Progress Payment**

The sum of the amounts sent in all RMR04 elements in a transaction must equal the amount in BPR02 in the transaction except when BPR02 contains a zero (in the case of a negative remittance advice). The procedure for handling negative remittances will be determined by the parties and documented in the Billing Services Agreement (BSA).

When the RMR01 element =12 and the RMR03 element =AJ (Adjustment), the amount in the RMR04 element, which may be a credit or a debit, is an adjustment to a previously transmitted customer payment (PO) or receivables purchase (PR). When the adjustment pertains to an EPA Credit (RMR03=AJ and RMR07=GR), and the previously transmitted payment was for purchase of the customer receivable, the amount in this element is the net amount of the payment to the non-billing party for purchase of the customer receivable for the EPA Credit. Each adjustment must be sent in a separate RMR Loop and the RMR07 and RMR08 elements are required to identify the nature of the adjustment.

When the RMR01 element =14 and the RMR03 element = AJ (Adjustment) the amount in the RMR04 element is due to, or from, the non-billing party and is NOT related to a specific customer account.

When an adjustment is being communicated, the amount sent in RMR04 must equal the amount sent in RMR08.

When RMR01=12 and RMR03=PO, the amount in RMR04 is the billing party's pro-rata share of a customer payment on a consolidated bill.

When RMR01=12 and RMR03=PR (Progress Payment) the amount in RMR04 is the net amount of the payment to the non-billing party for purchase of the customer receivable for the current period. For Purchased Receivables, the amount in RMR04 is the sum of the amounts sent in RMR05 and RMR06 (is negative or zero).

This data 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.

**Cond.**

**RMR05**

**782**

**Monetary Amount**

**O R 1/18**

**Invoiced Amount**

This element is required when the remittance is for purchase of a customer receivable (RMR01=12 and RMR03=PR) or when the remittance is for an adjustment pertaining to an EPA Credit (RMR03=AJ and RMR07=GR).

Unless the remittance is for an adjustment pertaining to an EPA Credit (RMR03=AJ and RMR07=GR), the amount in RMR05 is the total amount (debit or credit) billed to the customer for ESCO charges (energy charges and taxes) for the current period. This amount should equal the amount sent in the TDS segment of the 810 Invoice identified in the REF\*60 for the customer account indicated in RMR02.

When the remittance is for an adjustment pertaining to an EPA Credit (RMR03=AJ and RMR07=GR), the amount in RMR05 is the total amount applied to the customer's account for the EPA Credit. This amount should equal the charge amount sent in the SAC segment (when SAC04=CRE030) when the EPA Credit is received via the 810 Invoice transaction; or it should

equal the amount sent in on the AMT segment when the EPA Credit is received via the 814 Change transaction (when the change reason=AMT7).

This data 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.

**Cond RMR06 782 Monetary Amount O R 1/18**

Discount Amount

The element is required when the remittance is for purchase of a customer receivable (RMR01=12 and RMR03=PR); or when the remittance is for an adjustment pertaining to an EPA Credit (RMR03=AJ and RMR07=GR).

RMR06 contains the amount of the discount applied to the current period invoiced amount or the EPA Credit adjustment amount (sent in RMR05) and must be preceded by a minus sign (-) because it is value that is less than zero. RMR05 plus RMR06 should equal the amount sent in RMR04. Where there is no discount, RMR06 should contain 0.00.

This data 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.

**Cond RMR07 426 Adjustment Reason Code X ID 2/2**

This element is required when RMR01=14 and must be populated with code 'CS'.

This element is required when RMR03 = AJ (Adjustment).

This element is not used when RMR03 = PO (Payment on Account) or PR (Progress Payment).

16 Non-Invoice Related Allowance/Charge

Purchased Receivables

This code is used to adjust amounts previously transmitted for purchase of receivables (i.e. NOT related to the current period invoice for the customer account indicated in RMR02) that cannot be addressed by using codes 25, 26, 86, BD, FC or IF.

25 Item Not Accepted

Remittance was rejected

This code would be used to recover an amount previously remitted to the non-billing party, i.e. an 820 was sent, along with the cash to the non-billing party, but the non-billing party subsequently rejected an individual remittance in that 820 transaction. Since the cash transfer isn't rejected, a correcting entry must be made.

This code is Not Used if the entire 820 transaction was rejected.

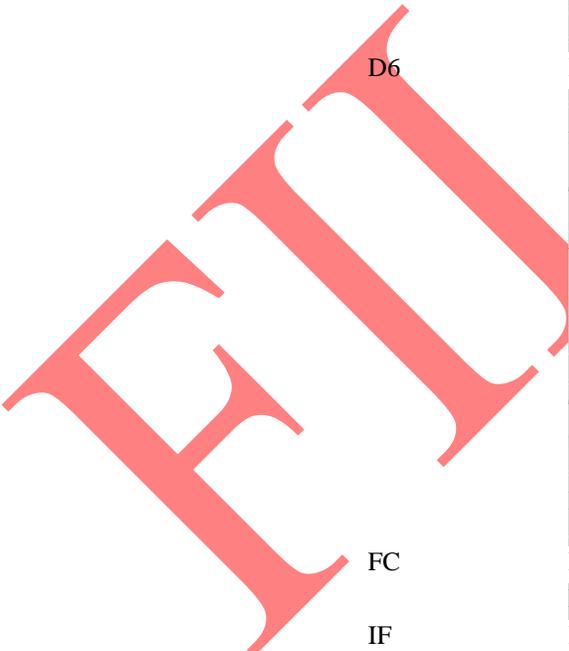
26 Invoice Cancelled

55 Tax Deducted

Adjustment for Unpaid Taxes

Funds previously remitted to purchase the receivables on the customer account indicated in RMR01 are being

			adjusted for unpaid taxes not recovered from the customer. The non-billing party may seek recovery for unpaid tax amounts by filing a claim directly with the taxing authority.
86			Duplicate Payment
BD			Bad Debt Adjustment This code is used to indicate that a debit adjustment to a customer's account pertains to that portion of the customer's receivables balance that the billing party has determined is now uncollectible due to the age of the arrears. This code is only applicable when Purchased Receivables with Recourse model is used and the parties have agreed that the billing party may recover from future remittances, amounts billed on behalf of, and advanced to, the non-billing party, that have not been collected from the customer.
CS			Adjustment Other Adjustments This code must be used when RMR01=14 (Master Account Number).
GR			Guarantee ESCO Pricing Adjustment Credit This code is used to indicate a credit to the customer's account when the ESCO has charged a customer taking service subject to a price guarantee more than what the customer would have paid the utility.
D6			Recovery of Standard Allowances Charge Back of "Lesser Than Amounts" Un-recovered from Customer (Residential Customers Only) To end a disconnection of service the customer paid an amount equal to what the customer would have been billed for bundled utility delivery and commodity service for the period designated in the disconnection notice. The amount paid was less than the actual unpaid arrears for combined utility delivery and ESCO commodity charges. This adjustment reduces amounts owed to the ESCO by the difference between the total amount due in the disconnection notice for the account indicated in RMR01 and the amount actually collected on the account to reconnect service.
FC			Fund Allocation Misapplied Payments
IF			Insufficient Funds Returned Check



**Cond. RMR08 782 Monetary Amount X R 1/18**

Required if RMR03 = AJ (Adjustment)  
Not used if RMR03 = PO (Payment on Account) or PR (Progress Payment)

Adjustment Amount

Where RMR03=AJ the amount in RMR04 will always be the same as the amount in RMR08 because the adjustment amount is only populated if there is an adjustment to be made.

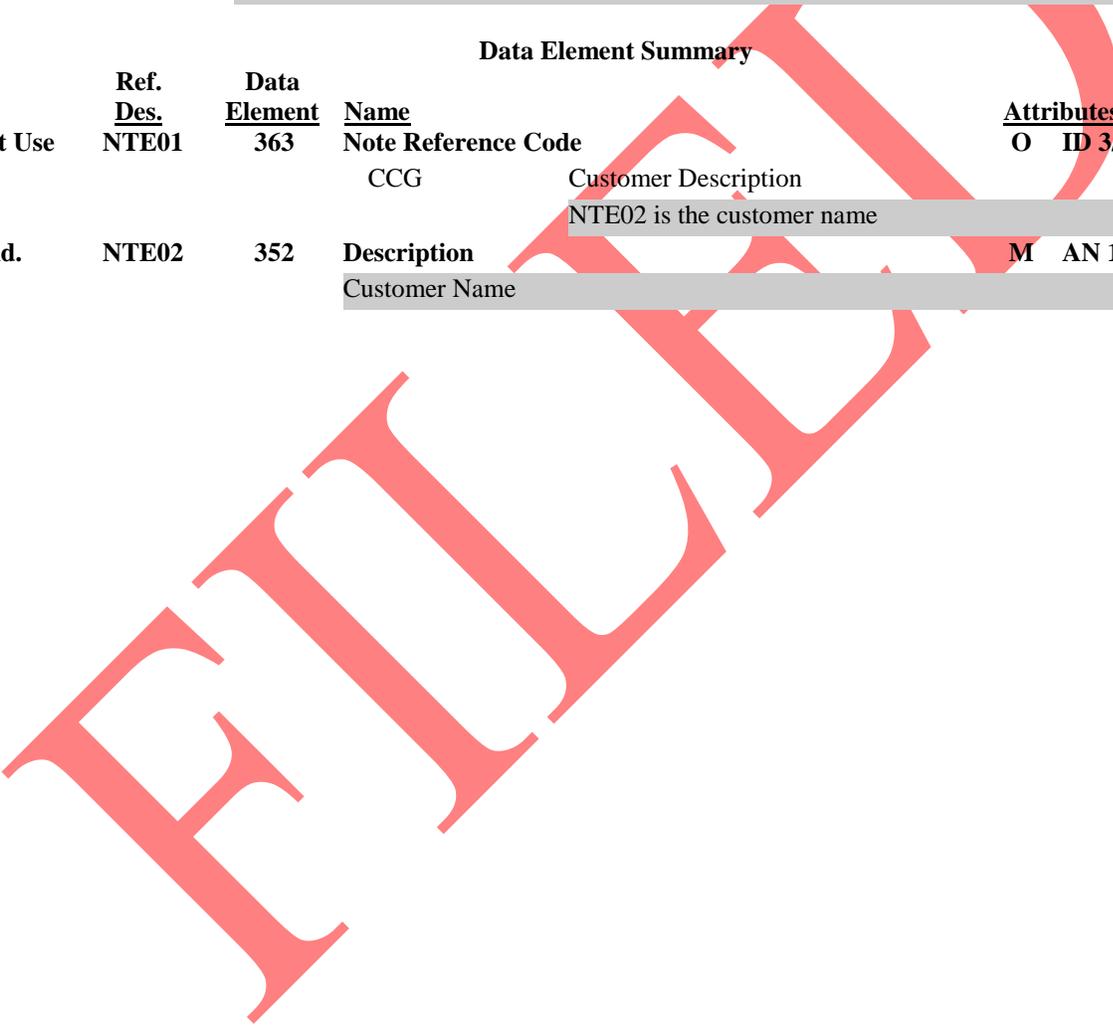
This data element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.

FILED

**Segment:** **NTE** Note/Special Instruction (Customer Name)  
**Position:** 160  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:** Conditional  
 Not Used when RMR01 = 14 (Master Account Number)  
 NTE~CCG~JOE SMITH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	NTE01	363	Note Reference Code CCG Customer Description NTE02 is the customer name	O ID 3/3
Mand.	NTE02	352	Description Customer Name	M AN 1/80



**Segment:** **REF** Reference Identification (ESCO Customer Account Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional

This segment is Not Used when RMR01=14 (Master Account).  
 When RMR01=12 this segment is required if provided in advance by the ESCO (i.e. in an 814 Enrollment or 814 Change transaction).

REF~11~2348400586

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 11 Account Number	M ID 2/3
Must Use	REF02	127	Reference Identification ESCO's assigned account number for the customer.	X AN 1/30

**Segment:** **REF** Reference Identification (Previous Utility Account Number)

**Position:** 170

**Loop:** RMR Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Dependent)

**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:** Conditional

This segment is Not Used when RMR01=14 (Master Account).

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), this segment is required when the utility assigned account number for the customer has changed in the last 90 days.

REF~45~1105687500

**Data Element Summary**

Mand.	Ref. Des.	Data Element	Name	Attributes	
				M	ID 2/3
	REF01	128	Reference Identification Qualifier		
			45	Old Account Number	
				REF02 is the Utility's previous account number for the customer.	
				The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visual presentation on a bill, for example, should be removed).	
Must Use	REF02	127	Reference Identification	X	AN 1/30
				Previous utility assigned customer account number. Current utility assigned account number for the customer must be sent in RMR02 when RMR01=12.	

**Segment:** **REF** Reference Identification (Cross Reference Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional

All Models: When RMR01=14 (Master Account Number) this segment is Not Used.

Pay-As-You-Get-Paid Model:  
 When RMR03= PO (Payment on Account) this segment is not used.

Purchased Receivables Model:  
 When RMR03 = PR (Progress Payment) this segment is Required  
 When RMR03 = AJ (Adjustment) this segment is required if adjustment has a related cross reference number, otherwise not used.

When RMR07=GR this segment is Not Used.

REF~6O~2000042430326001 (Note code 6O with a letter O)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			6O Cross Reference Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			The cross-reference number originally transmitted in the 867 - BPT02, and the 810 - BIG05; used to link the 867, 810 and 820.	

**Segment:** **REF** Reference Identification (Invoice Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional  
 When RMR01 = 14 (Master Account Number) this segment is Not Used.  
 When RMR01 = 12 (Billing Account) this segment may be used to provide the invoice number from the BIG02 element of the 810 Invoice associated with the customer payment, the customer receivable or an adjustment to a payment or receivable previously sent.  

- When RMR07=GR this segment is Not Used.

 REF~IK~IN200207190001

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier IK Invoice Number	M ID 2/3
Must Use	REF02	127	Reference Identification	X AN 1/30
The invoice number originally transmitted in the 810 - BIG02.				

**Segment:** **REF** Reference Identification (Commodity)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional

This segment may be sent to indicate whether the RMR04 amount pertains to electric, gas or both commodities (a customer of a combination utility is enrolled with the same ESCO for both electric and gas service). This segment will be sent by Orange & Rockland when RMR01=12 and the RMR04 amount pertains only to the un-metered portion of service when both metered and un-metered service is present on an electric account.

REF~QY~EL  
 REF~QY~EL~U  
 REF~QY~GAS  
 REF~QY~BOTH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier QY Service Performed Code	M ID 2/3
Must Use	REF02	127	Reference Identification BOTH Both Commodities EL Electric Commodity GAS Gas Commodity	X AN 1/30
Cond	REF03	352	Un-metered Service Designator U Un-Metered Service	C AN 1/80

**Segment:** **DTM** **Date/Time Reference (Date Posted)**  
**Position:** 180  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**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.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Notes:**

Conditional

When RMR01=12 and RMR03=PO (Pay-As-You-Get-Paid) this segment is Required.  
 When RMR01=12 and RMR03=PR (Purchased Receivables) this segment is Not Used.  
 When RMR01=14 this segment is Not Used.  
 When RMR07=GR this segment is Not Used.

DTM~809~20060119

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 809 Posted	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8

Date the payment or adjustment was received and posted to the billing party's application system.

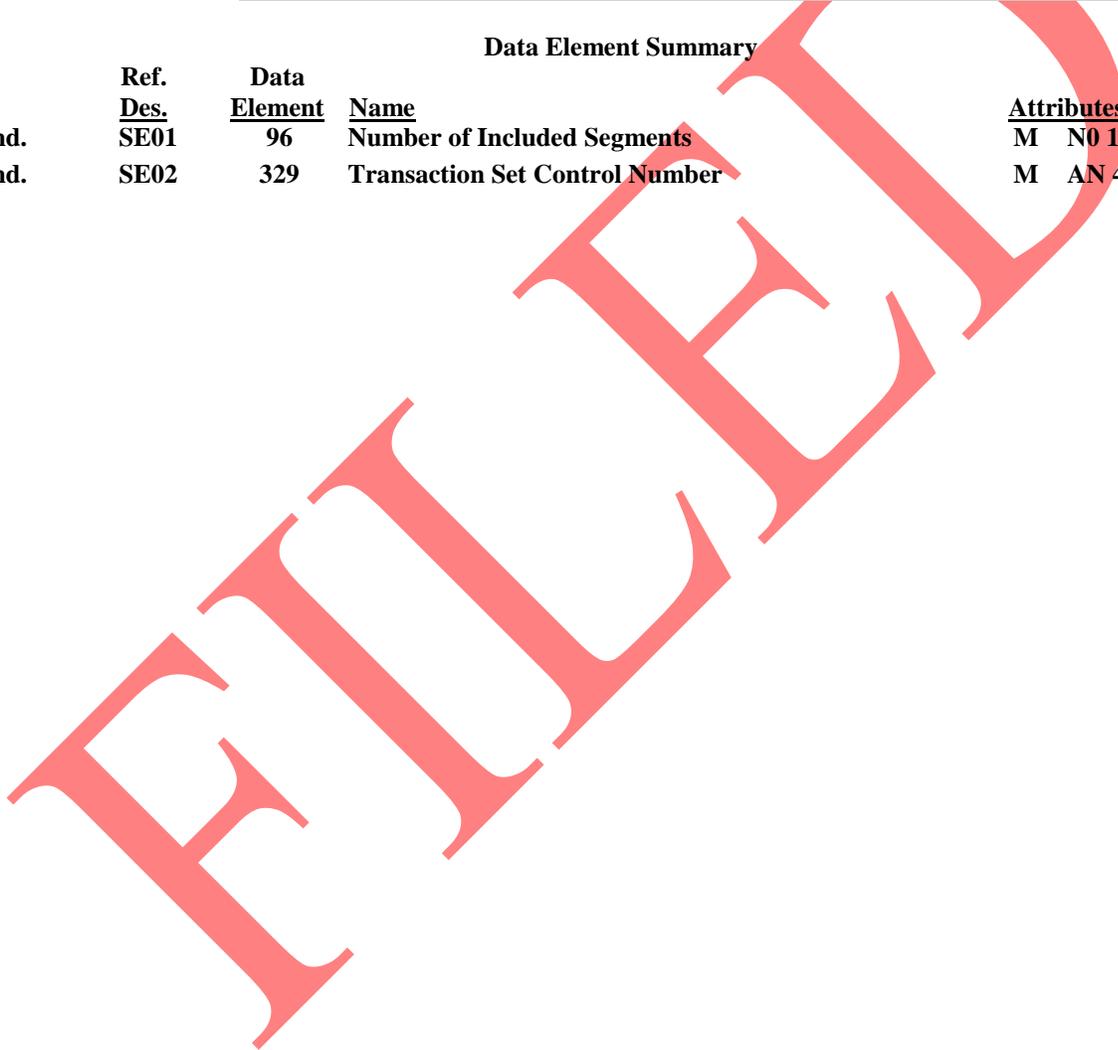
**Segment:** **SE** Transaction Set Trailer  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Required  
 SE~320~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</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 TS820 Remittance Advice, 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 would map a specific transaction.

### *Scenario 1 – Remittance for Utility Consolidated Billing Pay-As-You-Get-Paid Model*

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*74.99*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account Indicator</b>
NTE*CCG*JOE SMITH!	Customer Name
REF*11*526894GS!	ESCO assigned account number for the customer
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b>
NTE*CCG*MARY JONES!	Customer Name
REF*11*900987654!	ESCO assigned account number for the customer
REF*IK*IN200604150001546!	Invoice Number
REF*QY*BOTH!	Commodity
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*21*000001!	Transaction Set trailer; segment count; control number

**Scenario 2 – Remittance for Utility Consolidated Billing  
Purchased Receivables Model**

**Includes Optional Use of Un-metered Electric Service Indicator  
Includes Adjustment for Previously Remitted Purchase of Receivable**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*2.79*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PR*37.79*38.27*-.48!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*11*526894GS!	ESCO assigned account number for the customer
REF*60*867-3141980!	Cross Reference Number
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
RMR*12*99873110*AJ*-5.00***26*-5.00!	Utility Account Number; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*11*900987654!	ESCO assigned account number for the customer
REF*60*8673120850!	Cross Reference Number
REF*IK*IN200604150001546!	Invoice Number
REF*QY*EL*U!	Commodity; Amount Pertains to the <b>Un-metered Service on the Account</b>
RMR*12*94873841*AJ*-30.00***16*-30.00!	Utility Account Number; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*JOE JONES!	Customer Name
REF*11*624978310!	ESCO assigned account number for the customer
REF*60*8673281311!	Cross Reference Number
REF*IK*IN200602280000812!	Invoice Number
REF*QY*EL!	Commodity
SE*27*000001!	Transaction Set trailer; segment count; control number

**Scenario 3 – Remittance Advice Includes Billing Party Adjustments  
for Amounts Owed By or To Non Billing Party**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*1784.70*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility Account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*14*999001*AJ*13068.92***CS*1306.92!	Utility Account Number for ESCO; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*EL!	Commodity
RMR*14*999002*AJ*-10128.31***CS*-1012.31!	Utility Account Number for ESCO; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*GAS!	Commodity
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b> ; Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*60*8673120850!	Cross Reference Number
REF*IK*IN200604150001546!	Invoice Number
REF*QY*EL!	Commodity
RMR*12*99123455*PR*37.79*38.27*-.48!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*60*8673141980!	Cross Reference Number
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
RMR*12*99789123*PR*202.97*206.67*-3.70!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*FLORA'S FLOWERS!	Customer Name
REF*60*8664250370!	Cross Reference Number
REF*IK*IN200604160001340!	Invoice Number
REF*QY*EL!	Commodity
RMR*12*99647022*PR*1275.33*1376.08*-100.75!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*WENT LAUNDROMAT!	Customer Name
REF*60*8652998011!	Cross Reference Number
REF*IK*IN200604140001360!	Invoice Number
REF*QY*GAS!	Commodity
SE*33*000001!	Transaction Set trailer; segment count; control number

**Scenario 4 – Remittance with 824 Rejection for entire Remittance  
Pay-As-You-Get-Paid Model: Part A – Remittance Transaction**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*50*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account Indicator</b>
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b>
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*12*000001!	Transaction Set trailer; segment count; control number

**Scenario 4 – Remittance with 824 Rejection for entire Remittance  
Part B – 824 Application Advice Transaction**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
OTI*TR*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*SUM!	Rejection Reason Code
NTE*ADD*DETAIL TOTAL DOES NOT EQUAL BPR02 AMT!	Rejection Reason Text
SE*8*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**

**Pay-As-You-Get-Paid Model: Part A – Remittance Transaction**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*177.38*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25***26*-25!	Utility Account Number; Amount; <b>Adjustment</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*45648981*PO*23.48!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*12345678*PO*78.91!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*16*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**

**Part B – 824 Application Advice Transaction for first account number**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
N1*8R*NAME!	Customer Name or literal "NAME"
REF*12*45648981!	Utility account number
OTI*TP*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Partial Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*A76!	Rejection Reason Code
NTE*ADD*INVALID ACCOUNT NUMBER!	Rejection Reason Text
SE*10*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**  
**Part C – 824 Application Advice Transaction for second account number**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
N1*8R*NAME!	Customer Name or literal "NAME"
REF*12*12345678!	Utility account number
OTI*TP*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Partial Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*A76!	Rejection Reason Code
NTE*ADD*INVALID ACCOUNT NUMBER!	Rejection Reason Text
SE*10*000001!	Transaction Set trailer; segment count; control number

REJECTED

**Scenario 6 – EPA Credit and Overpayment Process  
820 Transaction - RMR Segment**

**Assumptions:** Customer is served by an ESCO for one month for a product that requires a price guarantee. The POR Discount Rate is 2%.

**Scenario:** An ESCO originally bills for \$100 but should have bills for no more than \$75. The initial credit to the customer should have been for \$25 but unintentionally was for \$50.

**1) Original ESCO charge for \$100:**

RMR~12~1238975432~PR~98.00~100.00~-2.00

ESCO charges for Customer are \$100. Less a \$2/2% discount fee the ESCO receives a \$98 payment from the Utility

**2) Initial ESCO credit back to the customer for \$50:**

ESCO overcharged customer by \$50 so a credit is issued for \$50. So \$50 dollars is credited to the customer and \$49 is deducted from the ESCO payment by the Utility.

RMR\*12\*1238975432\*AJ\*-49.00\*-50.00\*1.00\*GR\*-49.00  
NTE\*CCG\*NAME~  
REF\*11\*000283543~  
REF\*QY\*EL~

Because the credit does pertain to any particular invoice, there's no need to send an REF\*IK or REF\*60 segment. Similarly, the DTM\*809 segment is unnecessary too.

**3) Subsequent adjustment from ESCO to recover \$25 since the \$50 credit was incorrect:**

RMR\*12\*1238975432\*AJ\*24.50\*25\*-.50\*GR\*24.50

ESCO realizes the customer should have initially been charged \$75 and they sent too large a credit and want to recoup \$25 of the \$50 credit. The customer is charged \$25 and the ESCO receives a \$24.50 payment from the Utility.

**Summary/Review:**

Looking at the original \$100 charge (which should have been \$75) the net is the same had they billed the correct \$75 originally:

RMR~12~1238975432~PR~73.50~75.00~-1.50  
73.50 total payment to ESCO (98 + -49 + 24.50)  
75.00 total ESCO charge (100 + -50 + 25)  
-1.50 total Discount Fee (-2 + 1 + -.50)

**Scenario 7a – EPA Credit and Overpayment Process**  
**820 Transaction - Remittance Example with Credit Only**

ST*820*000000001	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*24.67*C*FEW*****20160525	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Reserve Funds/Wire Transfer - Repetitive</b> ; date the funds will be available
TRN*3*CP123456789 T00000000000877	Re-association Trace Number
REF*AJ*12345	Utility account number for the ESCO
DTM*097*20160523	Transaction Creation Date
N1*PR*UTILITY NAME*1*123456789	Payer Name and DUNS number
N1*PE*ESCO NAME*1*987654321	Payee Name and DUNS number
ENT*1	Beginning of Detail Loop
RMR*12*1111111111*AJ*24.67*25*-.33*GR*24.67	Utility Account Number; Amount; <b>Adjustment Indicator</b>
NTE*CCG*CUSTOMER NAME	Customer Name
REF*QY*EL	Commodity
SE*12*000000001	Transaction Set trailer; segment count; control number

**Scenario 7b – EPA Credit and Overpayment Process**  
**820 Transaction - Remittance Example with Credit and Regular Account**

ST*820*000000001	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*40.57*C*FEW*****20160525	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Reserve Funds/Wire Transfer - Repetitive</b> ; date the funds will be available
TRN*3*CP123456789 T00000000000867	Re-association Trace Number
REF*AJ*12345	Utility account number for the ESCO
DTM*097*20160523	Transaction Creation Date
N1*PR*UTILITY NAME*1*123456789	Payer Name and DUNS number
N1*PE*ESCO NAME*1*987654321	Payee Name and DUNS number
ENT*1	Beginning of Detail Loop
RMR*12*1111111111*AJ*-49.35*-50*.65*GR*-49.35	Utility Account Number; Amount; <b>Adjustment Indicator</b>
NTE*CCG*CUSTOMER NAME	Customer Name
REF*QY*EL	Commodity
RMR*12*1111111111*PR*89.92*91.11*-1.19	Utility Account Number; Amount; <b>Progress Payment Indicator - POR</b>
NTE*CCG*CUSTOMER NAME	Customer Name
REF*60*U0000000000001006766	Cross Reference Number
REF*IK*B00000000000000002674	Invoice Number
REF*QY*EL	Commodity
SE*17*000000001	Transaction Set trailer; segment count; control number

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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*This document describes the detailed business processes associated with remitting funds to the non-billing party under Utility consolidated billing models. The scope of this document addresses processes associated with the disposition of customers payments received on consolidated bills, by either the billing or non billing party, utility purchase of an ESCO customer receivable, and payments/payment reversals associated with amounts owed to, or from, an ESCO that are unrelated to a specific customer account.*

*In developing these business processes, the following documents were reviewed:*

- Case 98-M-0667, Report of NY EDI Collaborative, issued June 30, 1999.
- Order approving EDI Test Plans and Data Standards, issued and effective November 8, 2001 in Case 98-M-0667 - In the Matter of Electronic Data Interchange
- Order Approving Electronic Data Interchange Transactions for Utility Bill Ready and Rate Ready Billing, issued and effective June 21, 2002 in Case 98-M-0667.
- Case 98-M-1343, In the Matter of Retail Access Business Rules, Errata Notice, issued August 2, 2004.
- Case 99-M-0631 and Case 03-M-0017, Order Relating to Implementation of Chapter 686 of the Laws of 2003 and Pro-ration of Consolidated Bills, issued and effective June 20, 2003
- Case 98-M-1343, Case 99-M-0631, and Case 03-M-0117, Order on Petitions for Rehearing and Clarification, issued and effective December 5, 2003.
- Case 98-M-1343 and Case 99-M-0631 and Case 03-M-0117, Order on Petitions for Rehearing and Clarification, issued and effective June 22, 2005.
- Order Taking Actions to Improve the Residential and Small Nonresidential Retail Access Markets, issued and effective February 25, 2014 in Case 12-M-0476 et.al.
- Order Resetting Retail Energy Markets and Establishing Further Process, Issued and Effective February 23, 2016 in Case 15-M-0127 et al.

NOTES:

- The source of various Process Rules listed in this document is indicated by the following annotations which precede each rule:
  - UBP = NY Uniform Business Practices
  - CR = Report of the NY EDI Collaborative

## REMITTANCE ADVICE BUSINESS PROCESSES UTILITY CONSOLIDATED BILLING MODELS

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- CWG = Collaborative Work Group or Case 12-M-0476 EDI Working Groups
  - [CWG][UBP (insert Section and paragraph cite)] = Collaborative Work Group clarification, interpretation or comment intended to accommodate Electronic Data Interchange. The following abbreviations are used for UBP Section references:
    - DEF                   Section 1 Definitions
    - ELIG                 Section 2 Eligibility Requirements
    - CRED                Section 3 Creditworthiness
    - CI                    Section 4 Customer Information
    - CSP                  Section 5 Changes in Service Providers
    - CINQ                Section 6 Customer Inquiries
    - UI                    Section 7 Utility Invoices
    - DISP                 Section 8 Disputes Involving Distribution Utilities, ESCOs or Direct Customers
    - B&PP                Section 9 Billing and Payment Processing
  - [HEFPA] = Modifications to the Uniform Business Practices adopted in orders issued in Case 03-M-0117 implementing Part 686 modifications to the Home Energy Fair Practices Act.
- References to the text of the Uniform Business Practices (UBPs) displayed in the Process Rules sections in this document are those UBPs that are relevant to the scope of the business processes being described in this document and incorporated, by reference, into this document. Those UBPs that require elaboration, clarification, or interpretation in light of other EDI standards or modification to accommodate EDI data exchange processes will be displayed in the Process Rules section AND will also be highlighted in the Comments/Recommendations/Issues section.
  - Any item displayed under a Process component (i.e. rules, etc.) is also applicable for its sub-processes, unless otherwise noted.
  - For purposes of validating customer transactions, the customer's utility account number (with check digit, if included) must be included on every transaction.
  - Utilities and ESCOs must demonstrate the technical capability to exchange information electronically for the billing and payment processing options offered by each party and meet the operational time frames that support the billing options used (UBP B&PP B. 8.).

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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- The billing party is not responsible for collection of non-billing party funds, unless agreed to in a BSA.
- When a consolidated billing arrangement is in place, an 820 Remittance Advice is used by the billing party to provide details of the payments remitted to the non-billing party and is also used to provide details of payments being reversed. The payments/adjustment detail provided may pertain to customer's payments on consolidated bills (Pay-As-You-Get-Paid Model) or the purchase of an ESCOs current and/or past due receivables (Purchase Receivables Model). The Remittance Advice transaction must always be sent by the billing party to the non-billing party even where the billing party is utilizing a bank to process the remittance of funds to the non-billing party.
- The 820 Remittance Advice may also contain credits and/or adjustments associated with ESCO Pricing Adjustment (EPA) Credits, e.g. Account Program Participant (APP) price guarantees, that reduce the amounts owed to the non-billing party for services provided, including periods during which the ESCO is not the customer's current supplier.
- The 820 Remittance Advice may also contain payments and/or adjustments associated with funds due from, or owed to, the non-billing party for services rendered or fees assessed by the billing party such as billing services fees, additional wire transfer costs, imbalance fees, etc. These payments/adjustments will be identified in the Remittance Advice by a Master Account Number which may be either an account number assigned to the non-billing party by the billing party or a 'dummy' account number of the form 99999xxxx at the discretion of the billing party. Separate 'dummy' account numbers may be established to distinguish between payments/adjustments specific to electric service versus those that pertain to gas service.
- To minimize the administrative costs associated with reconciling the 820 Remittance Advice transactions with the corresponding funds transfers, the 820 Remittance Advice transaction and funds transfer must be initiated on the same business day. When the payment processing method is Pay-As-You-Get-Paid, the billing party must initiate the funds transfer to the non-billing party, within two business days of receipt and posting of the funds by use of Electronic Funds Transfer (EFT), Automated Clearing House (ACH), check or similar means to banks or other locations as agreed to by the parties. For the Purchase Receivables method, the parties shall agree upon, and document in the Billing Service Agreement, the date and method of payment.
  - The total amount indicated in the 820 Remittance Advice transactions, when positive, must be equal to the funds being transferred.
  - Each 820 Remittance Advice may contain multiple accounts for multiple commodities.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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- Where the billing party has prepared a consolidated bill consisting of electric and gas charges, payments may be remitted either for combined electric and gas charges or for electric and gas charges separately.
- The 820 Remittance Advice will contain payments (or reversed payments) detailed by individual customer account (or master account number) as well as the total amount of all payments/reversals contained in the transaction.
- Parties must document in their Billing Services Agreements the process to be used when the total amount in the Remittance Advice is a negative amount.
- The non-billing party should not use an 820 Remittance Advice to communicate the posting of payments or credits.
- Customer usage, billing, and credit data is to be considered confidential and may not be shared with anyone without the express authorization of the customer, unless disclosure is required by appropriate legal or regulatory authority or is authorized in accordance with the Uniform Business Practices to facilitate the customer's retail access or billing and payment choice. The same level of accountability for data confidentiality will apply to any third party data service providers engaged by an ESCO or Utility. Parties utilizing third party data service providers must ensure that such providers adhere to this confidentiality policy, for example, by incorporating express terms regarding data confidentiality in a Billing Service Agreement and/or Trading Partner Agreement. Delivery service billing data for customers with negotiated delivery contracts may not be disclosed without the utility's consent, except as otherwise required by appropriate regulatory and other legal authorities.
- Although transactions may be sent at any time, they will be processed during normal business days and hours. Business days are Monday through Friday, except for national holidays and for days for which business cannot be performed due to force majeure events [see UBP definition for 'Business Day' and paragraph B&PP D.1.j.]. Related to the 820 Remittance, since the Billing Party is required to send payments to the non billing party within 2 days of receipt from the customer, if the payment is received/posted on Day 1 during business hours, the billing party must send payment and the 820 Remittance Advice by close of business on Day 3.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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**RAU0 PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (Parent Process) ..... 6**

**RAU1.0 UTILITY PROCESSES PAYMENTS USING 820 Remittance Advice ..... 15**

**RAU2.0 UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 Remittance Advice..... 18**

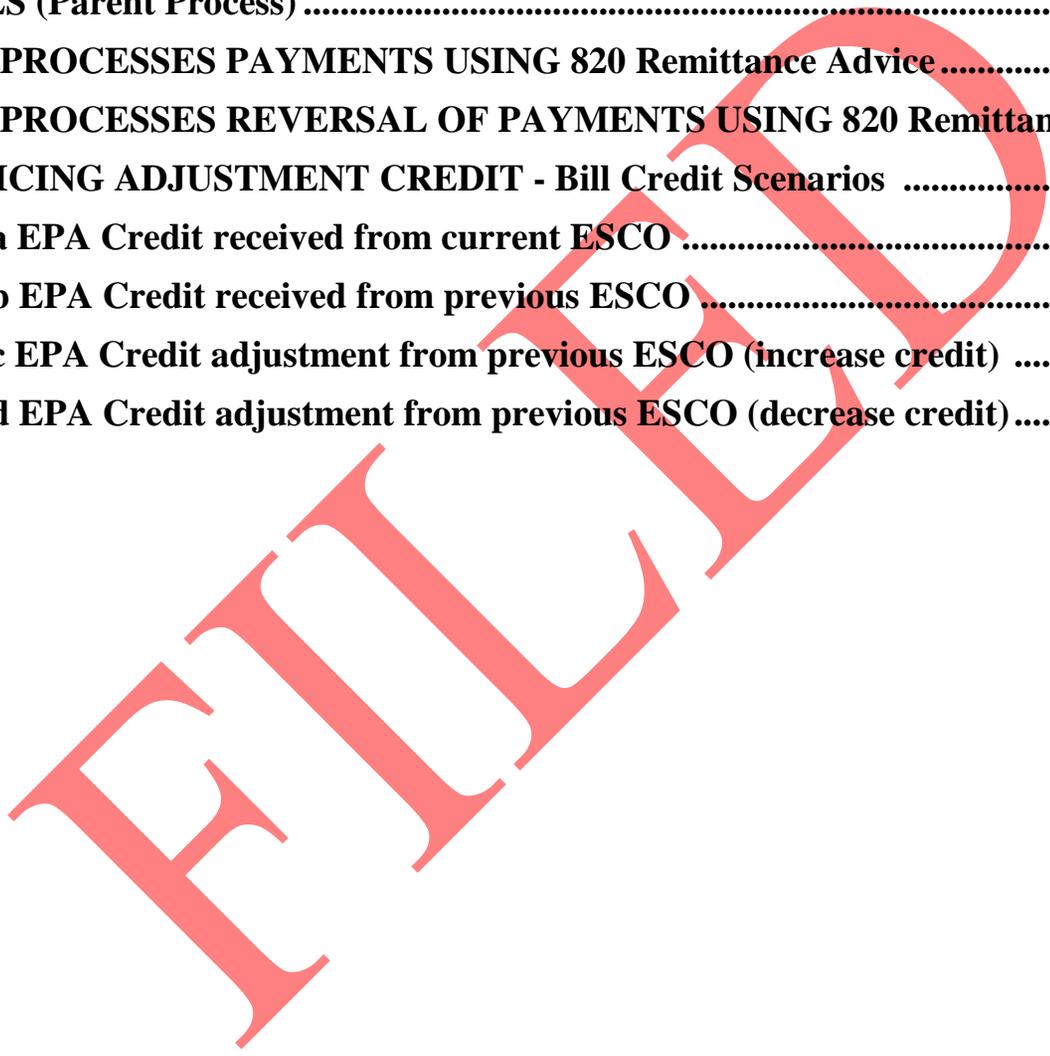
**RAU3.0 ESCO PRICING ADJUSTMENT CREDIT - Bill Credit Scenarios ..... 22**

**RAU3.0a EPA Credit received from current ESCO ..... 22**

**RAU3.0b EPA Credit received from previous ESCO ..... 23**

**RAU3.0c EPA Credit adjustment from previous ESCO (increase credit) ..... 24**

**RAU3.0d EPA Credit adjustment from previous ESCO (decrease credit) ..... 25**



**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<b>PROCESS DEFINITION:</b>	<p>Process by which customer payments made on consolidated bills are allocated, payments are transmitted and details of payments and payment reversals are communicated. Payments may be reversed under the following scenarios:</p> <ul style="list-style-type: none"> <li>• Returned check</li> <li>• Misapplied payment</li> <li>• Duplicate payment on an individual account</li> <li>• Payment remittance is rejected</li> <li>• Bill is cancelled (Not used with Bill Ready Pay-As-You-Get-Paid Method)</li> <li>• Errors in payment calculation (for master account amounts).</li> </ul> <p>Depending on the scenario, the method for processing payment reversals via EDI will be detailed in the Billing Services Agreement (BSA).</p>
<b>TRIGGER(S):</b>	ESCO customers receive consolidated bills and a customer payment is received on account (Pay-As-You-Get-Paid), the billing party is purchasing the ESCO customer receivable, or the billing party is collecting or crediting amounts owed by or to the non-billing party.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Billing Information; ESCO Billing Information, Payment Information, Receivables Information.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<b>PROCESS OUTPUTS:</b>	Communication between the billing party and non-billing party describing payment or payment reversal on customer account.
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• Customer is established on consolidated billing model.</li> <li>• The billing party issues consolidated bills.</li> <li>• Billing party receives a payment on a consolidated bill.</li> <li>• Billing party allocates payment according to payment allocation rules.</li> <li>• Where allocation results in an amount that should be remitted to the non-billing party, funds are transferred and the 820 Remittance Advice is sent.</li> </ul> <p align="center">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines that a payment on account previously remitted should be reversed.</li> <li>• The billing party debits funds being remitted equal to the amount of the payment being reversed and includes the debit information in the 820 Remittance Advice identifying the amount of the payment being reversed.</li> </ul> <p align="center">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines the amount due the ESCO for purchase of the current period receivable for each ESCO account in a billing cycle.</li> <li>• Funds are transferred and the 820 Remittance Advice is sent on the date agreed upon and documented in the BSA between the parties.</li> </ul> <p align="center">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines that a purchase of the ESCO receivable previously remitted should be</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
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	<p>reversed or adjusted.</p> <ul style="list-style-type: none"> <li>The billing party debits (or credits) funds being remitted equal to the amount of the payment being reversed or adjusted and includes the adjustment information in the Remittance Advice.</li> </ul> <p align="center">Or</p> <ul style="list-style-type: none"> <li>The billing party determines the amount of charges (or credits) due from, or to, the non-billing party for services or fees that are unrelated to an individual customer account.</li> <li>The billing party debits (or credits) funds being remitted equal to the amount of the charge (or credit) on the date agreed upon in the BSA between the parties and includes the charge (or credit) detail in the Remittance Advice under a master account number.</li> </ul> <p>1.0 Utility Processes Payment Using 820 Remittance 2.0 Utility Processes Reversal of Payment Using 820 Remittance</p>
<b>PROCESS RULES:</b>	<p>[UBPs B&amp;PP D.1., B&amp;PP D.3., B&amp;PP D.4., B&amp;PP G.13., B&amp;PP J.1., B&amp;PP J.2. and B&amp;PP J.8.] [HEFPA-UBPs B&amp;PP J. 4. and B&amp;PP J.5.]</p> <p>[CWG] Regarding UBP B&amp;PP D.1.k – n.: When consolidated billing is in effect, the billing party is responsible for administration of the non-billing party account balance including maintenance of the non-billing party balance, presentation of the non-billing party balance on the consolidated bill, and allocation of payments to the non-billing party balance.</p> <p>[CWG]Regarding UBP B&amp;PP J.2.a.: This paragraph of the Practices describes information to be provided to the non-billing party related to customer payment activity in account detail including: the date payments were posted, the date payments were transferred and payment amounts allocated to the non-billing party. The Remittance Advice will contain this information as well as either a payment or an adjustment indicator and an adjustment reason, if applicable. Information on the total amount of the customer’s payment received by the billing party will be made available in the manner described in UBP</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<p>B&amp;PP J.2.c. Footnote 16 until an EDI standard has been modified to incorporate this information.</p> <p>[CWG] For Utility consolidated billing models the following process should be used when payments are received by the non-billing party:</p> <ul style="list-style-type: none"> <li>• The non-billing party should apply the entire payment to the customer's account with the non-billing party;</li> <li>• The non-billing party must notify the billing party of receipt of the customers' payment as follows: <ul style="list-style-type: none"> <li>➤ <u>Bill Ready</u> -- Via the PAM segment in the EDI 810</li> <li>➤ <u>Rate Ready</u> -- Via EDI 568 Accounts Receivable Advisement</li> </ul> </li> <li>• Upon receipt of notification from the non-billing party, the billing party must adjust the customer's receivables balance with the non-billing party to reflect the payment amount and determine the allocation of the payment between the billing and non-billing party in accordance with pro-ration procedures established in B&amp;PP J.4.a. The receivables balances of the parties may subsequently be adjusted to reflect the pro-rata share of the payment applicable to each party.</li> <li>• In addition, the BSA between the parties should specify additional actions the non-billing party is expected to take regarding notification to the billing party when funds are received. The BSA should identify the method(s) that will be used to notify the non-billing party and the customer of the pro-rata share of the payment allocated to each party.</li> </ul> <p>[CWG] [UBP B&amp;PP J.4.d.] When payments are received without enough information for the billing party to identify the customer account, this paragraph advises that customer's should contact the billing party to inquire about any late charges or the lack of payment credit. This process should apply only to Utility Rate Ready consolidated billing.</p>	

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i><b>RAUO</b></i>
<b>PROCESS NAME:</b>	<i><b>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</b></i>
	<p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a payment from the customer is received by either the billing or non-billing party without an account number or enough information for the recipient to identify the payer, the payment will be held and processed when sufficient information is obtained to identify the account.</p> <p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a customer contacts either the billing or non-billing party to inquire about a payment that may not have been identified, the party that received the unidentifiable payment, which may be either the billing or non-billing party, will investigate the payment.</p> <p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a payment from the customer is received by either the billing or non-billing party without sufficient information to identify the payer, the payment should be handled as follows:</p> <ul style="list-style-type: none"> <li>• <u>Billing Party is the Recipient of the Payment – Utility Consolidated Billing Models</u> When the billing party identifies the payer, the payment will be allocated, and where allocation results in an amount that should be remitted to the non-billing party, the billing party will initiate an 820 Remittance Advice and a funds transfer to the non-billing party.</li> <li>• <u>Non-billing Party is the Recipient of the Payment – Utility Consolidated Billing Models</u> When the non-billing party identifies the payer, the entire payment will be applied to the customer's account with the non-billing party. In the Bill Ready model, the billing party will be notified via the PAM segment in an 810 Invoice. In the Rate Ready model the billing party will be notified of payment via the EDI 568 Accounts Receivable Advisement transaction. In addition, the BSA between the parties should specify additional actions the non-billing party is expected to take regarding notification to the billing party when funds are received. The BSA should identify the method(s) that will be used to notify the non-billing party and the customer of the pro-rata share of the payment allocated to each party.</li> </ul>

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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
	<p>[CWG] A customer payment must be posted to the receiver's system(s) on the same date as it is received.</p> <p>[CWG] To minimize the administrative costs associated with reconciling the 820 Remittance Advice transaction with the corresponding funds transfer the Remittance transaction and funds transfer must be initiated on the same business day.</p> <p>[CWG] Where the billing party has prepared a consolidated bill consisting of electric and gas charges, payments may be remitted in the 820 Remittance Advice either separately or combined.</p> <p>[CWG] The 820 Remittance Advice will contain payments (or reversed payments) detailed by individual customer account (or master account number) as well as the total amount of all payments/reversals contained in the transaction.</p> <p>[CWG] In cases where an item on the 820 Remittance Advice or the entire 820 Remittance Advice is rejected by the non-billing party, for example when a duplicate 820 Remittance Advice was sent in error, the funds will have already been transmitted and will be retained by the non-billing party. It is the responsibility of the billing party to initiate a process to recover the funds transferred and provide account detail either via a payment reversal (adjustment) in an 820 Remittance Advice (if feasible) or another process acceptable to the parties which must be documented in the BSA.</p> <p>[CWG] An 820 Remittance Advice is always transmitted when the sum of the payments and payment reversals included in the Remittance Advice is a positive remittance amount. Parties must document in their BSAs which process is to be used when the sum of the amounts in an 820 Remittance Advice is zero or a negative amount. Processes that may be used include: holding the 820 Remittance for one day or more to allow for payments and reversals included in the 820 Remittance of the following day(s) to offset the negative remittance amount; sending a Remittance Advice where the summary amount for the transaction equals "zero" but the sum of the detail amounts is a negative number; sending a Remittance Advice where the summary amount is a negative number; and/or taking other actions to allow for resolution of the negative 820 Remittance Advice, etc.</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<b>COMMENTS/ RECOMMENDATION S/ISSUES</b>	<p>[CWG] [B&amp;PP J.4.d.] When payments are received without enough information for the billing party to identify the customer account, this paragraph indicates that the customer should contact the billing party to inquire about any subsequent late charges or the lack of payment credit. The billing party is expected to resolve the matter and reverse the late payment charges. It should be clarified that these provisions are limited to Utility Rate Ready consolidated billing. In the Utility Bill Ready model it is the non-billing party who calculates all charges and makes all adjustments to past charges including the reversal of LPCs.</p> <p>The Collaborative considered a number of methods in developing a process for handling payments received by a non-billing party and identified a <i>best practice</i> based on the criteria described below.</p> <p><u>Frequency</u> – It is expected that the instances in which customers would make payments to a non-billing party will be low; therefore, the extensive efforts needed to develop an elaborate method for handling such payments appear unwarranted.</p> <p><u>Customer Intention</u> – In the consolidated billing model, the billing party provides the customer with payment instructions, a payment stub and a mailing envelope or some other method for payment remittance (instructions for payment on Web site, etc.). Based on this, when the customer remits their payment to the non-billing party, the customer is making a clear choice as to which party the payment should be applied to. In such a case, the customer has made special efforts to make payment to the non-billing party; rather than use the means (envelope, etc.) provided by the billing party, the customer is making a decision to use another means, such as writing out an envelope and mailing it to the non – billing party. Payments sent by the customer to the non-billing party may be payments for dual bill(s) outstanding at the time the consolidated billing relationship became effective or for amounts that were charged back to the ESCO because they were deemed uncollectible by the billing party.</p> <p><u>Processing Methods</u> – The processing method developed by the Collaborative is fully automated and avoids the use of manual processing routines that are prone to error. The method is also streamlined and</p>

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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
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	<p>avoids the need to process payments more than once. In the method recommended the total payment is applied by the non-billing party to its receivable balance for the customer, pending determination by the billing party of the proper pro-rata share of the payment that should be allocated to each party. In comparison, methods that involve transmission of the payment from the non billing party to the billing party are more complex. For example, in the method where the entire payment is sent to the billing party for processing the following steps must be followed:</p> <ul style="list-style-type: none"> <li>• The non-billing party receives the payment,</li> <li>• The non-billing party posts it to their Customer Service System (CSS),</li> <li>• The non-billing party reverses the payment on their CSS</li> <li>• The non-billing party notes the customer account indicating that payment has been made.</li> <li>• The non-billing party transmits the payment to the billing party (would require modified processing protocols)</li> <li>• The billing party allocates the payment.</li> <li>• The billing party processes the payment.</li> <li>• Where an amount is due to the non-billing party, the billing party transmits payment and an 820 Remittance Advice to the non-billing party.</li> <li>• The non-billing party receives the payment.</li> <li>• The non-billing party posts it to their Customer Service System (CSS).</li> </ul> <p>Using this method, a customer's payment is essentially processed a total of three times which would substantially increase the likelihood of processing errors. In most instances where the Utility is the non-billing party these extensive efforts will only result in the entire payment being returned to the Utility, albeit after a delay, according to the wishes of the customer.</p>

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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
	<p><u>Reallocation of Payment</u> – The method recommended by the Collaborative provides an efficient means for the reallocation of the payment. Notification of the payment by the non-billing party to the billing party provides the parties with the opportunity to review the payment and take actions as necessary for its reallocation. It is expected that instances in which reallocation will be necessary will be extremely infrequent.</p>

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**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
<b>PROCESS DEFINITION:</b>	Process by which the Billing Party provides detail of payments being transmitted to the non-billing party.
<b>TRIGGER(S):</b>	Customer payment is allocated and results in a payment that should be sent to the non-billing party or a consolidated bill is issued and the billing party will purchase the non-billing party's receivable.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Information; ESCO Information, Customer Information, Payment Information, Receivables Information.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> This response is not applicable to receipt of an 820 Remittance Advice</p> <p><b>Negative Response:</b> The sender of the Advice may be notified of errors in a Remittance transaction via an 824 Application Advice transaction or may be contacted directly through other means. A negative response may pertain to payment information for an individual account in the Remittance transaction or to the entire Remittance transaction.</p> <p><b>Negative Responses At Individual Customer Account Level:</b></p> <ul style="list-style-type: none"> <li>• Account Number Not Valid (A76)</li> <li>• Account Does Not Have Service Requested (A91)</li> <li>• Invalid Relationship (A84)</li> </ul>

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<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<ul style="list-style-type: none"> <li>• Invoice Number Invalid or Missing (I76)</li> <li>• Other (A13)</li> </ul> <p><b>Negative Responses At Transaction Level:</b> (Use of Specific Codes Documented in BSA)</p> <ul style="list-style-type: none"> <li>• Duplicate Remittance (ABN)</li> <li>• ID # (Payer or Payee) Invalid or Missing (D76)</li> <li>• Sum of Individual Payments Not Equal to Transaction Total (SUM)</li> <li>• Invalid Relationship (A84)</li> <li>• Total Charges Negative (TCN)</li> <li>• Other (A13)</li> </ul>
<b>SUB OR PRECEDING PROCESSES:</b>	See parent.
<b>PROCESS RULES:</b>	<p>[CWG] The funds transfer method to be used by the billing party will be documented in the Billing Services Agreement executed between the billing and non-billing parties.</p> <p>[CWG] To minimize the administrative costs associated with reconciling the 820 Remittance Advice transactions with the corresponding funds transfer, the Remittance transaction and funds transfer must be initiated on the same business day and must contain the same trace id.</p> <p>[CWG] The non-billing party will use both the funds received and the corresponding 820 Remittance Advice to process the funds.</p> <p>[CWG] When the total amount of payments (and payment reversals) sent in a Remittance transaction is a positive number, the Remittance total must be equal to the corresponding funds transfer. Parties must</p>

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<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<p>document in their BSAs which process is to be used when the total amount of payments (and payment reversals) in a Remittance transaction is equal to zero or a negative number.</p> <p>[CWG] The billing party must establish a trace number and include it in both the 820 Remittance Advice and the funds transfer documentation. This number is used to match an 820 Remittance Advice to the corresponding funds transfer.</p> <p>[CWG] Amounts owed to, or from, the non-billing party for services provided or fees assessed by the billing party that are unrelated to an individual customer account will be separately identified in the Remittance Advice transaction by a master account number. The master account number may be assigned to the non-billing party by the billing party or may be a 'dummy' account number of the type 99999xxxx. The BSA between the parties should document the account number(s) to be used in the master account entries in the detail section of the Remittance Advice.</p>
<b>COMMENTS:</b>	

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
<b>PROCESS DEFINITION:</b>	Process by which the billing party will communicate the reversal of, and/or adjustments to, amounts previously sent to the non-billing party.
<b>TRIGGER(S):</b>	A remittance item previously sent by the billing party to the non-billing party now requires action to resolve a debit or credit arising from the application of that item to the non-billing party's customer or other receivables.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Information; ESCO Information, Customer Information; Payment Information, Receivables Information.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> For processing of accepted EPA Credits:</p> <ul style="list-style-type: none"> <li>a) Rate Ready - Customer still active with ESCO <ul style="list-style-type: none"> <li>• Utility includes credit on the next bill to the customer.</li> <li>• Utility sends 820 to the ESCO with PO/PR code for the original amount billed.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> </li> <li>b) Bill Ready - Customer still active with ESCO <ul style="list-style-type: none"> <li>• ESCO includes a charge line item for SAC04 = CRE030 for the EPA Credit.</li> <li>• Utility sends 820 to the ESCO with PO/PR code for the regular charges.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> </li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<p>c) All Bill Options (including Bill Ready) - Customer no longer active with ESCO</p> <ul style="list-style-type: none"> <li>• Utility includes credit on the next bill to the customer.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> <p>Otherwise, this response is not applicable to receipt of an 820 Remittance Advice</p> <p><b>Negative Response:</b> The sender of the Advice may be notified of errors in a Remittance transaction via an 824 Application Advice transaction or may be contacted directly through other means. A negative response may pertain to payment information for an individual customer account in the Remittance transaction or to the entire Remittance transaction.</p> <p><b>Negative Responses At Individual Customer Account Level:</b></p> <ul style="list-style-type: none"> <li>• Account Number Not Valid (A76)</li> <li>• Account Does Not Have Service Requested (A91)</li> </ul> <p><b>Negative Responses At Individual Customer Account Level (cont.):</b></p> <ul style="list-style-type: none"> <li>• Invalid Relationship (A84)</li> <li>• Invoice Number Invalid or Missing (I76)</li> </ul> <p><b>Negative Responses At Transaction Level:</b></p> <ul style="list-style-type: none"> <li>• Duplicate Remittance (ABN)</li> <li>• ID # (Payer or Payee) Invalid or Missing (D76)</li> <li>• Sum of Individual Payments Not Equal to Transaction Total (SUM)</li> <li>• Invalid Relationship (A84)</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<ul style="list-style-type: none"> <li>• Total Charges Negative (TCN)</li> <li>• Other (A13)</li> </ul>
<b>SUB OR PRECEDING PROCESSES:</b>	See parent.
<b>PROCESS RULES:</b>	<p>[CWG] This transaction will be used to reverse a customer payment previously sent, to reverse or adjust funds transmitted to purchase an ESCO customer receivable, or to adjust items previously transmitted by the billing party that pertain to amounts owed by (or to be credited to) the ESCO for fees due to, or services performed by, the billing party such as billing services, balancing charges, late fees, etc.</p> <p>[CWG] The adjustment reason code for all adjustments associated with a master account number should be CS (Adjustment).</p> <p>[CWG] The adjustment reason code for all adjustments associated with EPA Credits should be GR (Guarantee).</p> <p>[CWG] The adjustment reason code for adjustments, other than EPA Credits, associated with billing party purchase of an ESCO customer receivable that are unrelated to current period charges/credits should be 16 (Non-invoice Related Allowance/Charge).</p>
<b>COMMENTS:</b>	<ul style="list-style-type: none"> <li>• At a high level, EPA Credits are a reversal of an amount that was previously billed and paid to the ESCO. Since EPA Credits can be adjusted, depending upon whether the adjustment increases or decreases the total amount to be credit, it is either a supplemental reversal or a “partial reversal of a reversal”.</li> <li>• A typical combined bill consists of utility delivery charges and the service charges for one ESCO. Bills containing EPA Credits are potentially atypical because they may contain charges and credits from more than one ESCO. As a result, an ESCO may receive an 820 transaction that reflect</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<p>processing of an EPA Credit for a customer currently with another ESCO (or a utility full service customer).</p> <ul style="list-style-type: none"> <li>• Under UBR: <ul style="list-style-type: none"> <li>○ When an ESCO is still serving the customer, if the inbound 810 includes both the EPA Credit and regular energy charges, the 810 will be split into 2 separate pieces for the 820.</li> <li>○ When the ESCO is no longer serving the customer, it sends the EPA Credit in on an 814C which may result an “EPA-Only” 820 for that ESCO.</li> </ul> </li> <li>• Under URR: <ul style="list-style-type: none"> <li>○ When an ESCO is still serving the customer, it sends the EPA Credit in on an 814C. The 820 reflects the regular energy charges and the EPA Credit as separate pieces for the 820.</li> <li>○ When the ESCO is no longer serving the customer, it sends the EPA Credit in on an 814C which results an “EPA-Only” 820 for that ESCO.</li> </ul> </li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 3.0</i>		
<b>PROCESS NAME:</b>	<i>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS A. EPA CREDIT RECEIVED FROM CURRENT ESCO</i>		
<b>CURRENT ESCO BILLING STATUS</b>	<b>DESCRIPTION/SPECIAL CIRCUMSTANCES</b>	<b>CREDIT FUNDED</b>	<b>ACTION</b>
<b>UCB</b>	None [Default Response]	Yes	Utility puts credit on next customer bill.
<b>UCB</b>	None [Default Response]	No	Reject Credit; instruct ESCO to fund credit and resubmit.
<b>ECB</b>	None [Default Response]	N/A	Reject credit; instruct ESCO to provide credit directly to customer.
<b>ECB</b>	Utility Option in response to ESCO request.	Yes	Utility sends check to customer.
<b>ECB</b>	Utility Option in response to ESCO request.	No	Reject Credit; instruct ESCO to fund credit and resubmit.
<b>DUAL</b>	None [Default Response]	N/A	Reject credit; instruct ESCO to provide credit directly to customer.
<b>DUAL</b>	Utility Option in response to ESCO request.	Yes	Utility puts credit on next customer bill; provide bill message to identify ESCO is providing the credit.
<b>DUAL</b>	Utility Option in response to ESCO request.	No	Reject Credit; instruct ESCO to fund credit and resubmit.
<b>UCB</b>	ESCO billed customer directly for Commodity (Dual or ECB) but is now utilizing UCB	Yes	Utility puts credit on next customer bill.
<b>UCB</b>	ESCO billed customer directly for Commodity (Dual or ECB) but is now utilizing UCB	No	Reject Credit; instruct ESCO to fund credit and resubmit.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 3.0</i>		
<b>PROCESS NAME:</b>	<i>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS B. EPA CREDIT RECEIVED FROM PREVIOUS ESCO</i>		
<b>CURRENT ESCO BILLING STATUS</b>	<b>PREVIOUS ESCO BILLING STATUS</b>	<b>CREDIT FUNDED</b>	<b>ACTION</b>
<b>ECB</b>	UCB, Dual or ECB [Default Response]	N/A	Reject credit; ESCO must provide the credit directly to the customer
<b>ECB</b>	UCB, Dual or ECB - Utility Option in response to ESCO request.	Yes	Utility sends check to customer
<b>ECB</b>	UCB, Dual or ECB - Utility Option in response to ESCO request.	No	Reject Credit; instruct ESCO to fund credit and resubmit
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	Yes	Utility puts credit on next customer bill; previous ESCO distinguished from current supplier
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	No	Reject Credit; instruct ESCO to fund credit and resubmit
<b>UCB/ FULL SERVICE</b>	Dual or ECB [Default Response]	N/A	Reject credit; instruct ESCO to provide credit directly to customer
<b>UCB/ FULL SERVICE</b>	Dual or ECB - Utility Option in response to ESCO request.	Yes	Utility puts credit on next customer bill; previous ESCO distinguished from current supplier
<b>UCB/ FULL SERVICE</b>	Dual or ECB - Utility Option in response to ESCO request.	No	Reject Credit; instruct ESCO to fund credit and resubmit
<b>DUAL</b>	UCB [Default Response]	Yes	Utility puts credit on next customer delivery bill; previous ESCO distinguished from current supplier
<b>DUAL</b>	UCB [Default Response]	No	Reject Credit; instruct ESCO to fund credit and resubmit
<b>DUAL</b>	Dual or ECB - Utility Option in response to ESCO request.	Yes	Utility puts credit on next customer bill; previous ESCO distinguished from current supplier
<b>DUAL</b>	Dual or ECB - Utility Option in response to ESCO request.	No	Reject Credit; instruct ESCO to fund credit and resubmit

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 3.0</i>		
<b>PROCESS NAME:</b>	<i>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS C. EPA CREDIT ADJUSTMENT FROM PREVIOUS ESCO (INCREASE CREDIT)</i>		
<b>CURRENT ESCO BILLING STATUS</b>	<b>PREVIOUS ESCO BILLING STATUS</b>	<b>CREDIT FUNDED</b>	<b>ACTION</b>
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	Yes	Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier.
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	No	Reject credit adjustment; instruct ESCO to fund credit and resubmit.
<b>DUAL</b>	UCB [Default Response]	Yes	Utility puts credit adjustment on next customer delivery bill; previous ESCO distinguished from current supplier.
<b>DUAL</b>	UCB [Default Response]	No	Reject credit adjustment; instruct ESCO to fund credit and resubmit.
<b>ECB</b>	UCB [Default Response]	N/A	Reject credit adjustment; ESCO must provide the credit directly to the customer.
<b>ECB</b>	UCB - Utility Option in response to ESCO request.	Yes	Utility sends check to customer.
<b>ECB</b>	UCB - Utility Option in response to ESCO request.	No	Reject credit adjustment; instruct ESCO to fund credit and resubmit.

Continuity with the means by which the credit was previously issued is important; to the extent the same bill credit process can be maintained, it should be. For example, if the utility issued the credit, it should issue the credit adjustment unless it cannot because the customer billing relationship has terminated; if the ESCO issued the credit, it should issue the credit adjustment.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 3.0</i>		
<b>PROCESS NAME:</b>	<i>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS D. EPA CREDIT ADJUSTMENT FROM PREVIOUS ESCO (INCREASE CREDIT)</i>		
<b>CURRENT ESCO BILLING STATUS</b>	<b>PREVIOUS ESCO BILLING STATUS</b>	<b>CREDIT FUNDED</b>	<b>ACTION</b>
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	Yes	Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; adjust POR balance.
<b>UCB/ FULL SERVICE</b>	UCB [Default Response]	No	Reject credit adjustment; instruct ESCO to bill customer directly.
<b>UCB/ FULL SERVICE</b>	UCB - Utility Option in response to ESCO request.	No	Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; pay ESCO when Utility gets paid.
<b>DUAL</b>	UCB [Default Response]	Yes	Utility puts credit adjustment on next customer delivery bill; previous ESCO distinguished from current supplier; adjust POR balance.
<b>DUAL</b>	UCB [Default Response]	No	Reject credit adjustment; instruct ESCO to bill customer directly.
<b>DUAL</b>	UCB - Utility Option in response to ESCO request.	No	Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; pay ESCO when Utility gets paid.
<b>ECB</b>	UCB [Default Response]	N/A	Reject credit adjustment; ESCO must bill customer directly.

Continuity with the means by which the credit was previously issued is important; to the extent the same bill credit process can be maintained, it should be. For example, if the utility issued the credit, it should issue the credit adjustment unless it cannot because the customer billing relationship has terminated; if the ESCO issued the credit, it should issue the credit adjustment.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS****PROCESS NUMBER: RAU 3.0****ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS**

## Notes:

1. The general rule is for credit bill processing responsibility is that the party who issues the commodity bill is responsible for providing the bill credit to the customer. When the utility cannot fulfill that role, responsibility to provide the credit to the customer falls to the ESCO.
2. While the general presumption has been that the Utility would fund the credits by offsetting the credit amount from the POR payment to the ESCO, as a general matter the Utility and ESCO may mutually agree to other means, e.g. invoicing, wire transfers, etc. to fund the credit on customer bills issued by the utility.
3. If the ESCO cannot fund the credit, that funding becomes a ESCO Performance Guarantee matter.

# New York Implementation Standard

For

## Standard Electronic Transactions

TRANSACTION SET

# 820 Remittance Advice

Utility Consolidated Billing Models

Ver/Rel 004010

	<b>Summary of Changes</b>
<b>July 31, 2002</b>	<b>Initial Release</b>
<b>May 17, 2006</b>	<b>Version 2.0</b>
	Revised the 'Purpose' section of the Front Matter Notes to expand the scope of 820 remittance transactions to include billing party purchase of customer accounts receivable and to accommodate transmitting amounts owed by, or to be credited to, the non-billing party for services rendered by the billing party.
	The 'RMR Loop' and 'Data Element Attributes' sections of the Front Matter Notes are revised. The RMR Loop section is updated to recognize use of additional codes to distinguish the nature of the credit or debit being communicated. The Data Element Attributes section is revised to reference examples of real number elements in an 820 transaction (rather than in an 810 Invoice transaction).
	The original segment notes for the RMR segment were replaced with more detailed notes clarifying the use of this segment. Additional segment examples were added.
	A code was added to the RMR01 element (14 = Master Account Number) for use by billing parties in differentiating transaction amounts for administrative fees or charges or adjustments to amounts previously sent that are owed by, or to, the non-billing party that are not associated with an individual customer account.
	The element notes for the RMR02 element are revised to include a description of the number that is used to populate this element when RMR01=14 (Master Account Number).
	The description for code 'AJ' (Adjustment) in the RMR03 element is expanded to accommodate its use in identifying adjustments associated with a customer payment, the purchase of a customer account receivable or to amounts owed to, or by, the non-billing party that are unrelated to an individual customer account.
	Code 'PR' (Progress Payment) was added to the code list for the RMR03 element to designate amounts associated with the purchase of a customer account receivable.
	New text was added to the element note for RMR04 to clarify the nature of the amount sent in this element when RMR03 contains AJ, PO or PR.
	A new element was added to the RMR segment (RMR05=Invoiced Amount) to communicate the total amount billed to the customer for the current period. This element is used when RMR03=PR (Purchased Receivables) and should equal the amount in the TDS segment of the applicable 810 Invoice for the customer either sent to the billing party (Bill Ready) or received from the billing party (Rate Ready).
	A new element was added to the RMR segment (RMR06=Discount Amount) to communicate the amount of the discount (which may be zero) when RMR03=PR (Purchased Receivables). This amount should be preceded by a minus sign unless it is zero. The amount in RMR05 plus the amount in RMR06 should equal the cash remitted to the non-billing party for purchase of a customer receivable (i.e. the amount sent in RMR04).

	The element note for RMR07 was revised to clarify its use when RMR01=14 (Master Account Number).
	New codes were added to the RMR07 code list. Code '16' is used to designate that the adjustment pertains to prior period purchase of a customer receivable. Code '55' is used for adjustments related to taxes unpaid by the customer. Code 'D6' is used to charge back "lesser than amounts" arising from payment to effect a reconnection of service (residential customers subject to HEFPA) that cannot be collected by the billing party.
	A note was added to code CS in RMR07 code list to indicate that this code must be used when RMR01=14 (Master Account Number).
	The segment notes for the NTE*CCG (Customer Name), REF*6O (Cross Reference Number), and REF*IK (Invoice Number) are revised to clarify the use of each segment when RMR01=14 or RMR01=12 and RMR03=PR: In addition, the usage attribute for the REF* <del>IK</del> IK segment is revised from Optional to Conditional.
	The element note for REF02 in the REF*45 segment (Previous Utility Account Number) is corrected to indicate that the current Utility Account Number for the customer should be communicated in the RMR02 element in the RMR segment.
	A REF03 element was added to the REF*QY (Commodity) segment to enable Orange & Rockland Utilities to distinguish between payments/adjustments associated with the un-metered portion of service on an electric account. The usage attribute for the REF*QY segment was changed from Optional to Conditional.
	The segment note for the DTM*809 segment (Date Posted) is revised to clarify when this segment must be sent.
	All dates used in segment examples or in appended scenarios were updated to reflect 2006 dates.
	The amount displayed in the BPR segment in the Scenario 1 example was revised from 49.99 to 74.99 to display the correct total amount of the remittance (99.99 less adjustment of -25.00).
	The syntax for the Scenario 2 example was updated to reflect new or revised segments, elements or codes.
	Additional scenarios were added to the examples to display the proper syntax when RMR01=14 (Master Account Number) or RMR03=PR (Progress Payment).
<b>July 24, 2015</b>	<b>Version 2.1</b>
	Replaced references to Marketer and E/M with ESCO.
	A new code was added to the RMR07 code list. Code 'GR' is used to designate deduction of APP Credits from POR payment to ESCOs. An example was added to the Notes section of the RMR Segment.

<b><u>June 30, 2016</u></b>	<b><u>Version 2.2</u></b>
	<ul style="list-style-type: none"> <li>• <u>Existing references to APP Credits are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit.</u></li> <li>• <u>Modifications made to clarify signage for EPA Credits and adjustments to EPA Credits, which are real numbers.</u></li> <li>• <u>Updates to gray box notes for REF*IK and REF*6O indicating when they should not be sent.</u></li> <li>• <u>Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment.</u></li> <li>• <u>Added example transactions.</u></li> </ul>

DRAFT

	<b>Notes pertaining to the use of this document</b>
Purpose	<ul style="list-style-type: none"> <li>• This 820 Remittance Advice Transaction Set is used to transmit Remittance information to the ESCO when a consolidated bill is to be rendered and funds are owed to the non-billing party. These standards are based on the ASC X12 Ver/Rel 004010 standard and related UIG guidelines.</li> <li>• An 820 Remittance transaction is used to transmit details regarding payments or adjustments pertaining to either (1) the non-billing party's share of customer payments received by the billing party or (2) billing party purchase of a non-billing party customer receivable.</li> <li>• At the discretion of the billing party, an 820 Remittance transaction may be used to communicate amounts owed by (or to be credited to) the non-billing party for services performed by the billing party such as consolidated billing services, collection activities, balancing charges, late fees, etc.</li> <li>• This implementation guide is not intended for use from the Utility or ESCO to the bank. However, please note the format requirements for the re-association trace number in the banking transaction as outlined below.</li> <li>• This guideline is presented from the perspective of the sender initiating the payment remittance advice.</li> </ul>
Multiple accounts/ commodities per 820	<ul style="list-style-type: none"> <li>• Each transaction may contain multiple accounts for multiple commodities (i.e., electric and gas). When the Utility is preparing a consolidated bill for both electric and gas charges on behalf of the ESCO payments received from the customer may be itemized separately for gas and electric charges in the 820 Advice or the payment information sent may pertain to both commodities.</li> </ul>
Validation Field	<ul style="list-style-type: none"> <li>• Transactions will be validated based on the customer's utility account number (with check digit, if included).</li> </ul>
RMR Loop	<ul style="list-style-type: none"> <li>• Multiple RMR Loops may be sent in each 820 Remittance transaction but each Loop may contain information on only a single transaction amount for a single account.</li> <li>• The RMR Loop contains several REF segments used to further identify the account, such as Commodity, Previous Utility Account Number, ESCO Account Number, Cross Reference Number and Invoice Number.</li> <li>• The RMR Loop contains a single RMR segment.</li> <li>• The RMR segment contains the account number for which the payment, purchase of receivable or payment adjustment is being transmitted. The account number in the RMR02 element will be either: <ul style="list-style-type: none"> <li>➢ The customers utility account number (RMR01=12),</li> <li>➢ The utility assigned account number for the ESCO (RMR01=14), or</li> <li>➢ A 'dummy' account number assigned by the utility to define the nature of the amount sent in the RMR04 and RMR08 element (RMR01=14). Each utility may assign multiple 'dummy' account numbers but only one number may be used in each RMR Loop.</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>The RMR segment also contains a code (AJ, PO or PR) to identify the nature of the amount being communicated, the dollar amount of the transaction, the gross amount of the receivable and the associated discount (purchased receivables only) and an adjustment reason where applicable.</li> </ul>
<p>Remittance Advice Must Match Payment Amount Or Negative Remittance</p>	<ul style="list-style-type: none"> <li>The 820 transaction total sent in the BPR02 element should equal the sum of the individual payments/adjustments sent in each RMR loop within that transaction when that sum is a positive number.</li> <li>The 820 Remittance transaction includes both payments and payment adjustments and for a specific business day for a specific trading partner, the sum of the individual payments/ adjustments sent in each RMR loop within a transaction may be a negative number. Parties will document in their Billing Services Agreements the process to be used when the sum of the individual items in a Remittance Advice is a negative amount. Processes that may be used include: <ul style="list-style-type: none"> <li>➤ (A) holding the 820 Remittance for one day or more to allow for payments and reversals included in the 820 Remittance of the following day(s) to offset the negative remittance amount;</li> <li>➤ (B) sending a Remittance Advice where BPR02 is “zero” but the sum of the detail amounts is a negative number; or</li> <li>➤ (C) sending a Remittance Advice where BPR02 is a negative number when the detail amounts is a negative number.</li> </ul> </li> </ul>
<p>Re-association Trace Number</p>	<ul style="list-style-type: none"> <li>The recipient of an 820 Remittance Advice must be able to reconcile amounts transmitted in the Advice transaction with the amount of the corresponding funds transfer. <b>It is imperative that when the funds and the Remittance Advice are sent separately that the payee be able to re-associate the two and validate that the amounts match.</b> In order to facilitate the re-association, certain requirements have been outlined. These requirements are based upon an understanding of the various methods of funds transfer which are described below: <ul style="list-style-type: none"> <li>➤ CCD (Cash Concentration/Disbursement): This financial transaction is not a supported standard in the New York market because it does not carry the Addenda Record (80 character reference number).</li> <li>➤ CCD+ (Cash Concentration/Disbursement Plus Addenda): This financial transaction requires an 80 character addenda record, which will contain the Re-association Trace Number that matches the number provided in the TRN02 of this transaction. The trace number will travel with the payment through the ACH system to the receiver’s financial institution, which posts the payment to the receiver’s account using this number.</li> <li>➤ Fed Wire – The Originator to Beneficiary Information (OBI) field accomplishes the same objective as the addenda record referenced above for CCD+. The OBI field requires a 140 character (OBI) Field 6000 of Fed Wire File Layout that is the CR-originated reference number</li> <li>➤ CTX (Corporate Trading Exchange) – Payment instructions and all</li> </ul> </li> </ul>



	<p>200207190001.</p> <p>In Example 3, the DUNS+4 number is 007909127ABCD and the unique number is 200207190001. (The +4 in positions 12-15 can be alpha or numeric)</p>
<p>Rejection</p>	<ul style="list-style-type: none"> <li>• An 820 Remittance Advice transaction may contain payment information for more than one customer account. 824 Application Advice transaction(s) may be used to reject one or more payments at the account level or may be used to reject the entire 820 transaction. In general, an 820 Remittance transaction may be rejected when it contains validation or syntax errors or required data segments/elements are missing or invalid. Instructions in the 824 Application Advice Implementation Guide should be reviewed for further details.</li> <li>• Possible rejection responses at an individual customer account level include validation failures (A76), errors in commodity type (A91), invalid relationship (sender and receiver do not have a consolidated billing relationship for the customer indicated), invoice number (where sent) is invalid or missing (A84) or other (A13).</li> <li>• Possible rejection responses at the transaction level include transaction is a duplicate of a previously transmitted transaction (ABN), the transaction total sent in the BPR02 element is a positive number but that amount does not equal the sum of the individual payments sent in each RMR loop (SUM), the sum of the individual payments sent in each RMR loop is a negative number and the recipient does not accept negative numbers (TCN), the recipient of the 820 Remittance does not have a consolidated billing relationship with the sender of the transaction (A84), the ID number for the either the payer or payee is invalid or missing (D76) or other (A13).</li> <li>• Applicable rejection reasons will vary by the type of payment processing method being used and the procedures for handling negative remittances. The rejection reasons applicable in a specific Utility service territory will be documented in the Billing Services Agreements executed between the billing and non-billing parties.</li> </ul>
<p>Data Element Attributes</p>	<ul style="list-style-type: none"> <li>• Data elements whose X12 attribute type is ‘R’ (for example the BPR02 or the RMR04 elements) 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. For example, the value \$100.00 may be transmitted as 100, 100.0 or 100.00 in an “R” type data element.</li> <li>• In some instances (see Notes regarding negative remittances above), the</li> </ul>

	<p>amount sent in BPR02 will be a negative number. Even though BPR02 is a real number, a minus sign should not be used in that element to indicate the character of the amount. Instead, the codes sent in BPR03 will be used to indicate the character of the amount sent in the BPR02 element.</p>
<p>Timing of the transactions</p>	<ul style="list-style-type: none"> <li>As noted in the Business Process Document, <b>the funds transfer and the remittance advice must be generated on the same business day.</b> It should be noted, however, that the timing for receipt of the funds may vary from receipt of the 820 Remittance Advice. The lag between receipt of the Remittance Advice and the date the funds are deposited in the payee’s account is dependent upon the complexity of the funds transfer and the individual financial institution(s) processing procedures.</li> </ul>
<p>Definitions</p>	<ul style="list-style-type: none"> <li>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 820 Transaction Set implementation guide are:             <ul style="list-style-type: none"> <li>➤ The Utility as Payer (LDC) (Code PR)</li> <li>➤ The Supplier as Payee (ESCO) (Code PE).</li> </ul> </li> </ul>
<p>Companion Documents</p>	<ul style="list-style-type: none"> <li>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 necessary:             <ul style="list-style-type: none"> <li>➤ <i>Remittance Advice Business Process Document</i></li> <li>➤ <i>Utility Bill Ready Business Process Document</i></li> <li>➤ <i>Utility Rate Ready Business Process Document</i></li> <li>➤ <i>810 Invoice Implementation Guides for Utility Consolidated Billing</i></li> <li>➤ <i>824 Application Advice Implementation Guide</i></li> </ul> </li> <li>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>.</li> </ul>

## 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.  
**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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>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 non-alphanumeric characters. (Characters added to aid in 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

# 820 Payment Order/Remittance Advice

Functional Group ID=**RA**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

## Heading:

<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>
3	010	ST	Transaction Set Header	M	1		
4	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
6	035	TRN	Trace	O	1		
7	050	REF	Reference Identification (Utility Account Number for the ESCO)	O	1		
8	060	DTM	Date/Time Reference (Transaction Creation Date)	O	1		
						LOOP ID - N1	1
9	070	N1	Name (Payer)	O	1		
						LOOP ID - N1	1
10	070	N1	Name (Payee)	O	1		

## Detail:

<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>
						LOOP ID - ENT	1
11	010	ENT	Entity	O	1		n1
						LOOP ID - RMR	>1
12	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		
18	160	NTE	Note/Special Instruction (Customer Name)	O	1		
19	170	REF	Reference Identification (ESCO Customer Account Number)	O	1		
20	170	REF	Reference Identification (Previous Utility Account Number)	O	1		
21	170	REF	Reference Identification (Cross Reference Number)	O	1		
22	170	REF	Reference Identification (Invoice Number)	O	1		
23	170	REF	Reference Identification (Commodity)	O	1		
24	180	DTM	Date/Time Reference (Date Posted)	O	1		

**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>
25	010	SE	Transaction Set Trailer	M		1	
E - 1			Examples				

**Transaction Set Notes**

1. The ENT loop is for vendor or consumer third party consolidated payments.

**Transaction Set Comments**

1. The TRN Segment is used to uniquely identify a payment order/remittance advice.

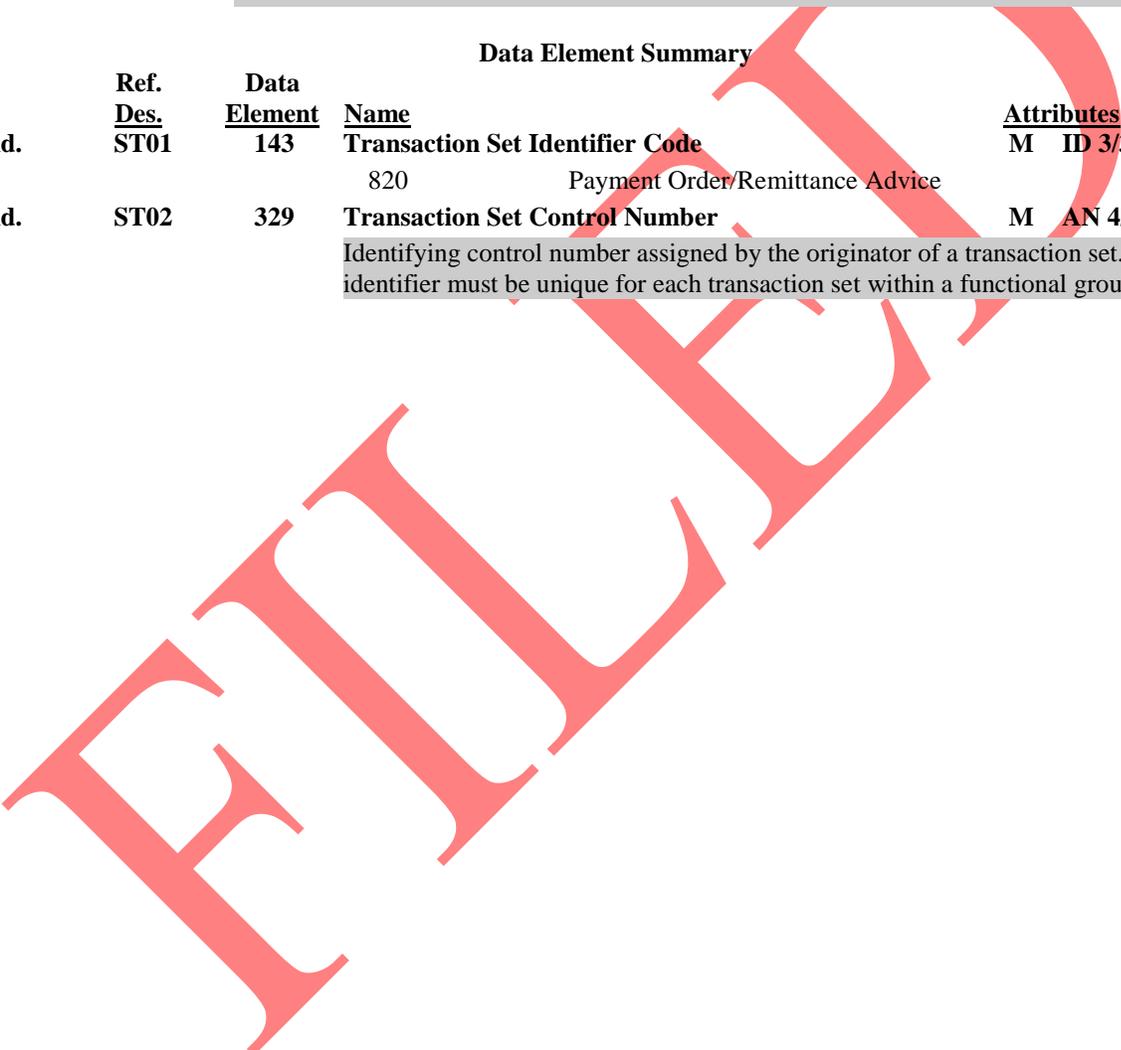


**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) 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~820~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	ST01	143	Transaction Set Identifier Code 820 Payment Order/Remittance Advice	M ID 3/3
Mand.	ST02	329	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:** **BPR** Beginning Segment for Payment Order/Remittance Advice

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To indicate the beginning of a Payment Order/Remittance Advice Transaction Set and total payment amount, or to enable related transfer of funds and/or information from payer to payee to occur

**Syntax Notes:** 1 If either BPR06 or BPR07 is present, then the other is required.

2 If BPR08 is present, then BPR09 is required.

3 If either BPR12 or BPR13 is present, then the other is required.

4 If BPR14 is present, then BPR15 is required.

5 If either BPR18 or BPR19 is present, then the other is required.

6 If BPR20 is present, then BPR21 is required.

**Semantic Notes:** 1 BPR02 specifies the payment amount.

2 When using this transaction set to initiate a payment, all or some of BPR06 through BPR16 may be required, depending on the conventions of the specific financial channel being used. BPR06 and BPR07 relate to the originating depository financial institution (ODFI).

3 BPR08 is a code identifying the type of bank account or other financial asset.

4 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

5 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).

6 BPR14 is a code identifying the type of bank account or other financial asset.

7 BPR15 is the account number of the receiving company to be debited or credited with the payment order.

8 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

9 BPR17 is a code identifying the business reason for this payment.

10 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.

11 BPR20 is a code identifying the type of bank account or other financial asset.

**Notes:** Required

The 820 remittance advice will be sent on a daily basis, when applicable, and will include all applicable adjustments as outlined in the guides as long as the credit adjustments are not larger than the total payments and debit adjustments. Refer to the Business Process Document for handling of a negative remittance.

BPR~I~1000.20~C~ACH~~~~~20060523

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	BPR01	305	Transaction Handling Code	M ID 1/2
			I Remittance Information Only	
Mand.	BPR02	782	Monetary Amount	M R 1/18

The total amount of the payment. The BPR02 element must equal the sum of all RMR04 elements except for when sending a zero in the case of a negative remittance advice. The procedure for handling negative remittances will be determined by the parties and documented in the Billing Services Agreement (BSA).

This data 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.

**Mand. BPR03 478 Credit/Debit Flag Code M ID 1/1**

C Credit  
D Debit

**Mand. BPR04 591 Payment Method Code M ID 3/3**

ACH Automated Clearing House (ACH)  
CHK Check  
FEW Federal Reserve Funds/Wire Transfer - Repetitive  
FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive

**Optional BPR16 373 Date O DT 8/8**

The date the originating company intends for the transaction to be settled (i.e., Payment Effective Date). This date may be different from the actual settlement date, which is the date your bank is debited or credited by the Federal Reserve for this item.

FILED

**Segment:** **TRN** Trace  
**Position:** 035  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To uniquely identify a transaction to an application  
**Syntax Notes:**  
**Semantic Notes:** 1 TRN02 provides unique identification for the transaction.  
 2 TRN03 identifies an organization.  
 3 TRN04 identifies a further subdivision within the organization.

**Notes:**

Required

This number will be included on the funds transfer (in the addenda record, OBI Field for Wire, or Check Stub as outlined in the Front Matter) and will be formatted as:

Position 1 - 2 CP (stands for Consolidated Payment)  
 Position 3 - 15 Federal Tax ID, DUNS Number, or DUNS +4 Number

Note: If the Federal Tax ID or DUNS Number are used, you must append four spaces to the end to fill positions 12-15.

Position 16 - 30 A unique reference number, from 1 to 15 characters that identifies this remittance. This number must be unique over time.

For example,  
 Payer's DUNS number = "007111957"  
 Unique Reference Number = "20060501001"  
 The funds transfer must include: "CP0079111957 20060501001"

TRN~3~CP1031954108 20060501001 Fed Tax ID Number Example  
 TRN~3~CP0079111957 20060501001 DUNS Number Example  
 TRN~3~CP0079111957PLUS20060501001 DUNS+4 Example

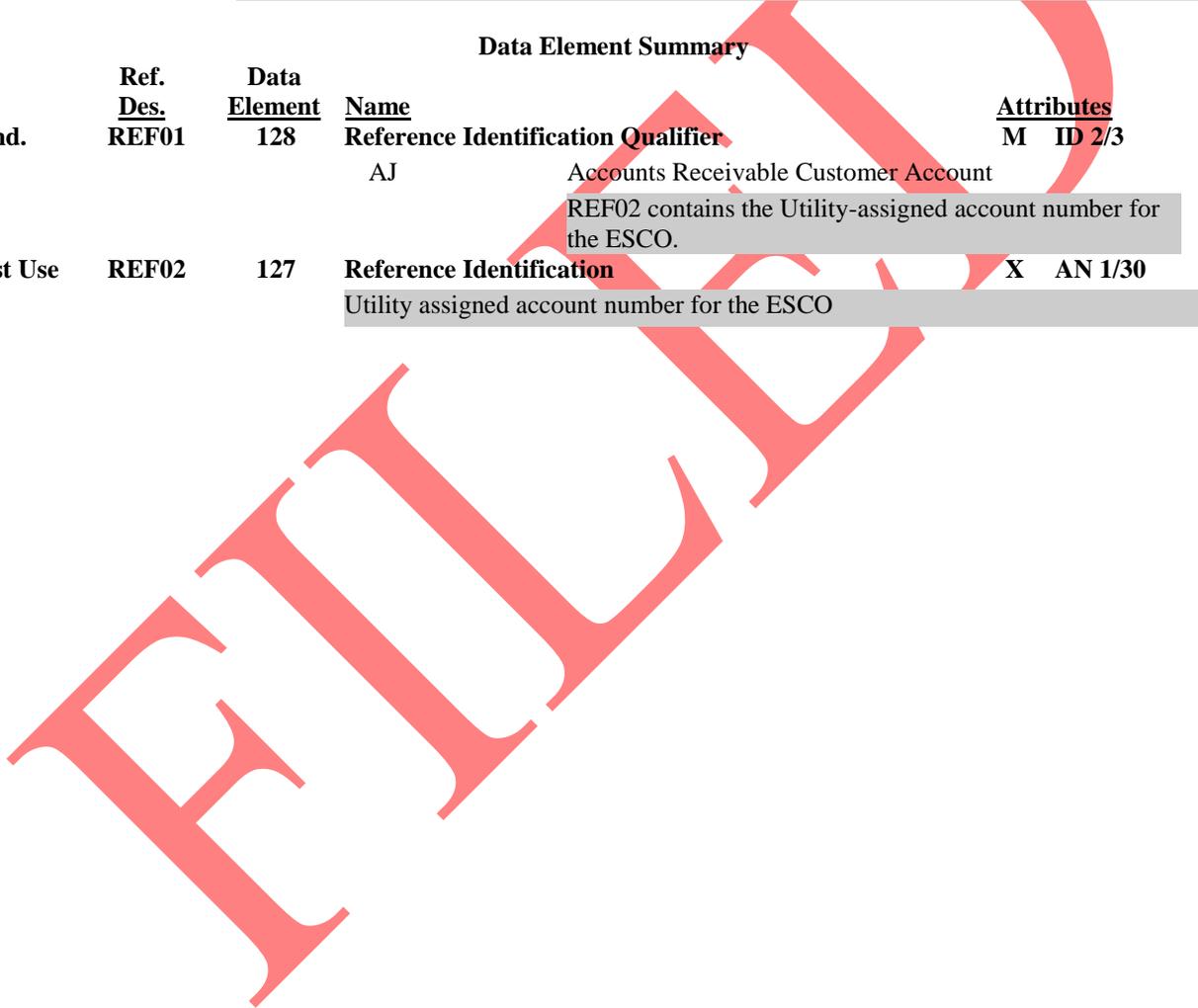
**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	TRN01	481	Trace Type Code	M ID 1/2
			3 Financial Re-association Trace Number	
Mand.	TRN02	127	Reference Identification	M AN 1/30
			Unique Number identifying this remittance advice, used to associate the remittance advice to the payment.	

**Segment:** **REF** Reference Identification (Utility Account Number for the ESCO)  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**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:** Optional  
 REF~AJ~3134597

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier AJ Accounts Receivable Customer Account REF02 contains the Utility-assigned account number for the ESCO.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned account number for the ESCO	X AN 1/30



**Segment:** **DTM** Date/Time Reference (Transaction Creation Date)  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

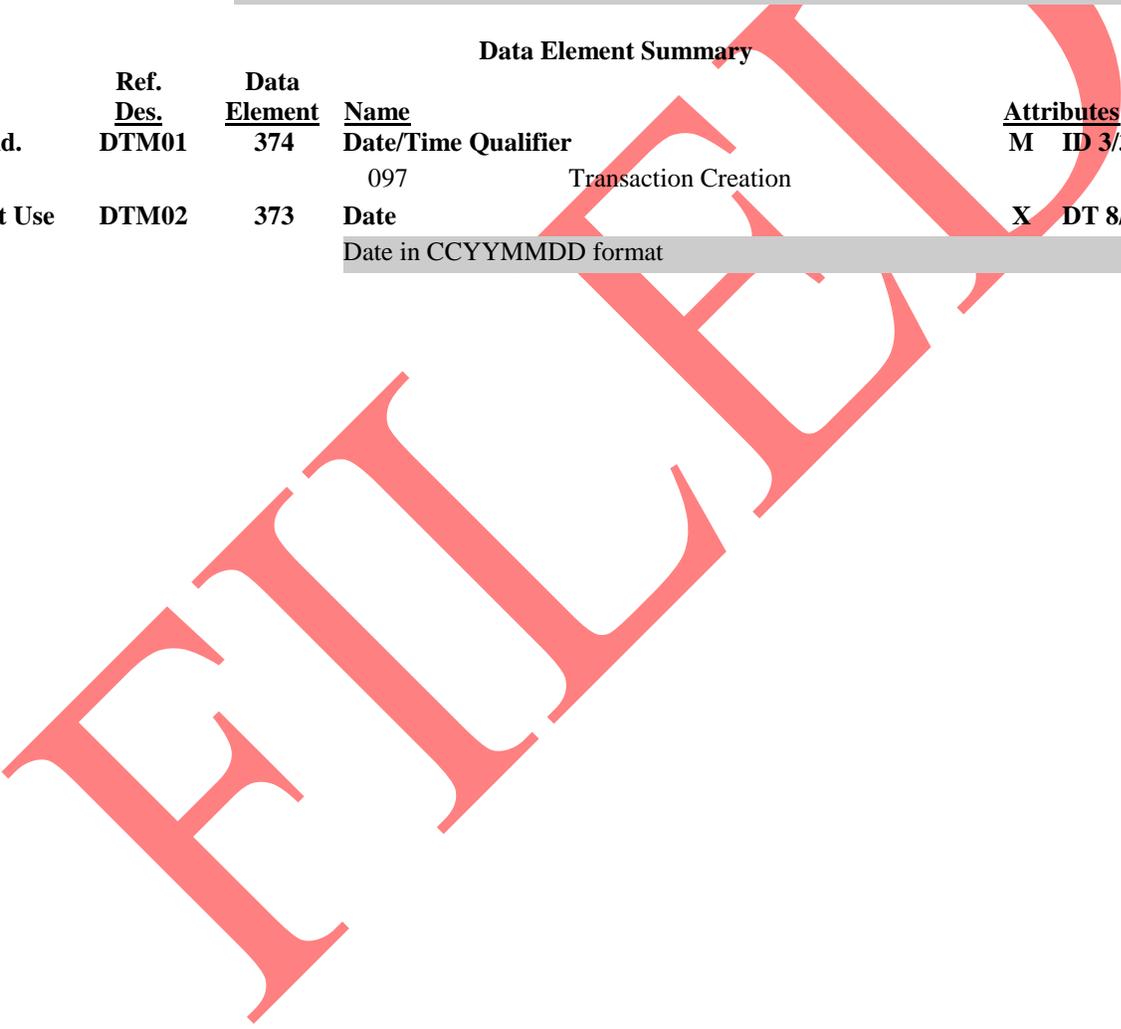
- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Notes:** Required  
 DTM~097~20060521

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 097 Transaction Creation	M ID 3/3
Must Use	DTM02	373	Date Date in CCYYMMDD format	X DT 8/8



**Segment:** **N1** Name (Payer)  
**Position:** 070  
**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~PR~PAYER COMPANY~1~007111957

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> PR Payer Initiator of the payment/remittance advice	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Payer Name Supplemental text information that may be supplied to provide "eyeball" identification of the Payer. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	<b>X AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 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	<b>X ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67</b>	<b>Identification Code</b> The D-U-N-S number or the Federal Tax ID	<b>X AN 2/80</b>

**Segment:** N1 Name (Payee)  
**Position:** 070  
**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~PE~PAYEE COMPANY~1~007191969

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Mand. N101	98	Entity Identifier Code PE Payee Receiver of the payment/remittance advice	M ID 2/3
Optional N102	93	Name Payee Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the Payee. 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:** **ENT** Entity

**Position:** 010

**Loop:** ENT Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

- Syntax Notes:**
- 1 If any of ENT02 ENT03 or ENT04 is present, then all are required.
  - 2 If any of ENT05 ENT06 or ENT07 is present, then all are required.
  - 3 If either ENT08 or ENT09 is present, then the other is required.

**Semantic Notes:**

**Notes:**

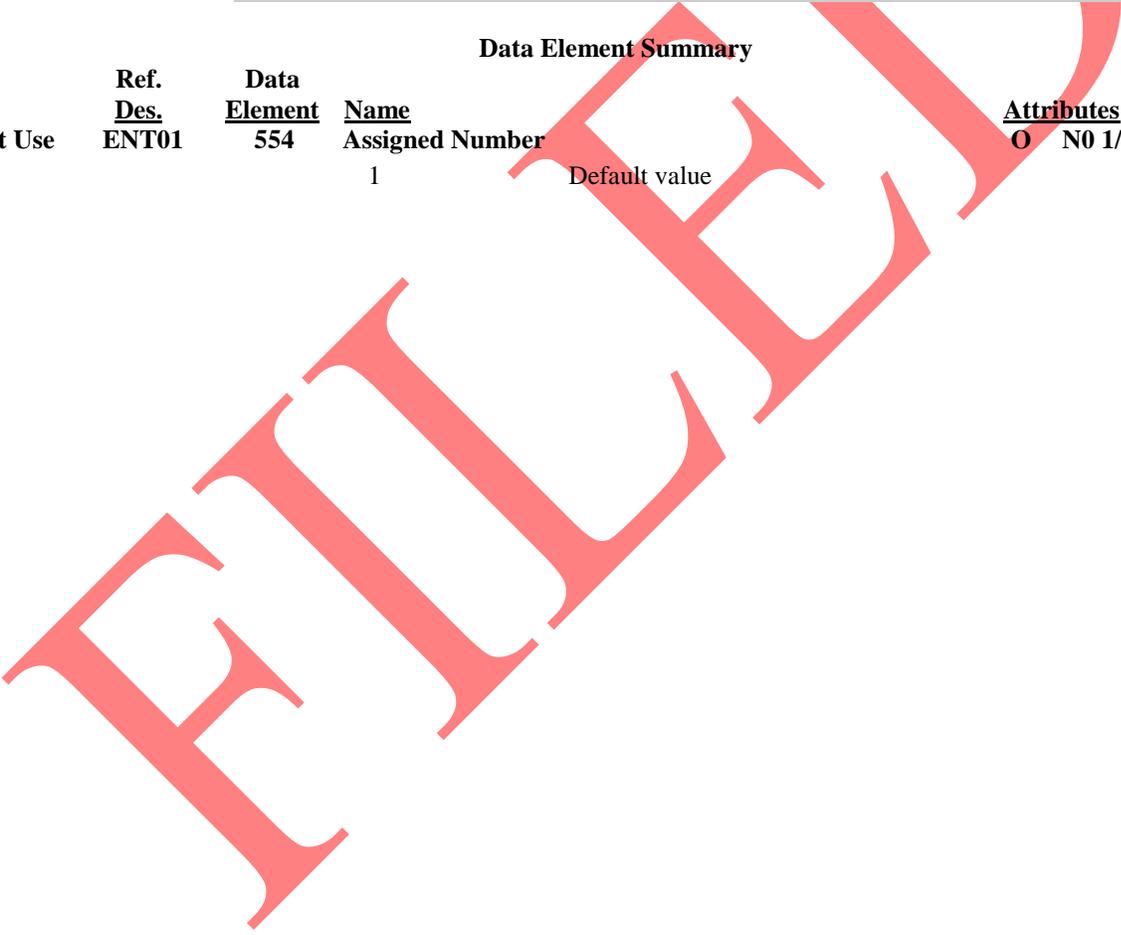
Required

There will only be one ENT Loop per 820 and the ENT01 will always have a value of 1.

ENT~1

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use ENT01	554	Assigned Number	O N0 1/6
		1	Default value



**Segment:** **RMR** Remittance Advice Accounts Receivable Open Item Reference

**Position:** 150

**Loop:** RMR Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Must Use)

**Max Use:** 1

**Purpose:** To specify the accounts receivable open item(s) to be included in the cash application and to convey the appropriate detail

**Syntax Notes:** 1 If either RMR01 or RMR02 is present, then the other is required.

2 If either RMR07 or RMR08 is present, then the other is required.

**Semantic Notes:** 1 If RMR03 is present, it specifies how the cash is to be applied.

2 RMR04 is the amount paid.

3 RMR05 is the amount of invoice (including charges, less allowance) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items.

4 RMR06 is the amount of discount taken.

5 RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

**Notes:** Required

Each RMR loop must contain an RMR segment. The RMR segment is used to communicate payment or purchased receivable information (customer account level) or adjustment details (customer or master account level) for each individual account included in the banking transaction identified in the TRN segment. Each RMR Loop should contain remittance details for a single account (either customer or master).

A rate ready utility that supports use of the GR code to indicate billed price guarantee credits in circumstances other than [an ESCO Pricing Adjustment \(EPA\), e.g. an Assistance Program Participant \(APP\) Credits-Credit](#), should state such in its Utility Maintained EDI Guide. [Note that EPA Credits are real numbers and signed negatively. Adjustments to EPA Credits that reduce a previously issued EPA Credit are signed positively.](#)

RMR~12~011231287654398~PO~1000.2

RMR~14~9999900001~AJ~-13068.92~~~CS~-13068.92

RMR~14~3134597~AJ~3005.56~~~CS~3005.56

RMR~12~000141679~AJ~72.31~~~86~72.31

RMR~12~1238975432~PR~45.29~45.29~00.0

RMR~12~1238975432~PR~37.79~38.27~-48

RMR~12~000141679~AJ~-99.00~-100.00~1.00~GR~-99.00

**Data Element Summary**

Must Use	Ref. Des.	Data Element	Name	Attributes
	RMR01	128	Reference Identification Qualifier	X ID 2/3
			12 Billing Account	
			RMR02 contains the Utility-assigned account number for the customer.	
			14 Master Account Number	
			When RMR01= 14, RMR02 will be populated with either:	
			- the Utility assigned account number for the ESCO (the same number sent in the header section in REF*AJ)	
			OR	
			- a generic account number assigned and defined by the billing party to describe the nature of the remittance amount.	
			This code should not be used to describe payments or adjustments pertaining to customer accounts.	

**Must Use RMR02 127 Reference Identification X AN 1/30**

When RMR01 = 12, this element will contain the customer's utility account number. This account number must be supplied without intervening spaces or non-alphanumeric characters (i.e. characters added to aid in visual presentation on a bill, for example, should be removed).

When RMR01 = 14, this element will contain either the Utility assigned account number for the ESCO (the same number sent in REF\*AJ in the header section) or a generic account number assigned by the billing party to describe the nature of the amount sent in RMR04 and RMR08 such as

9999900000 = fees for consolidated billing services  
 9999900001 = collection activity fees  
 9999900002 = gas balancing charges, etc.

When RMR01=14 the adjustment is NOT associated with a specific customer account.

The REF\*QY may be used to designate whether a payment, purchased receivable or adjustment pertains to electric, gas or both commodities.

**Must Use RMR03 482 Payment Action Code O ID 2/2**

When RMR01 = 14, RMR03 must contain 'AJ' and the code 'CS' must be used in RMR07.

When RMR01 = 12, RMR03 may contain either AJ, PO or PR

AJ Adjustment

Indicates that the amount sent in RMR04 is either an adjustment for a previously remitted customer payment (RMR01=12), or an amount previously remitted to purchase a customer receivable (RMR01=12), or represents charges/credits owed by, or to, the non-billing party that are unrelated to an individual customer account (RMR01=14).

When AJ is sent in RMR03, an RMR07 element must be sent to describe the nature of the adjustment.

PO Payment on Account

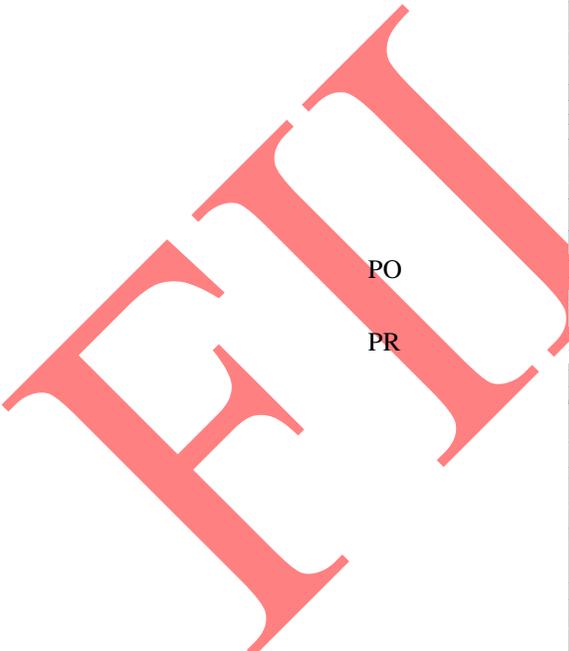
Customer Payment (Pay-As-You-Get-Paid Only)

PR Progress Payment

Purchased Receivables Only

The amount in RMR04 is the net amount of the customer receivable being purchased by the billing party for the customer account indicated in RMR02 and should equal the cash remitted in the banking transaction.

RMR03 should be populated with 'AJ' (not PR) if the amount in RMR04 is an adjustment to an amount remitted in a prior period for purchased receivables.



**Must Use RMR04 782 Monetary Amount**

**O R 1/18**

**Adjustment or Payment on Account or Progress Payment**

The sum of the amounts sent in all RMR04 elements in a transaction must equal the amount in BPR02 in the transaction except when BPR02 contains a zero (in the case of a negative remittance advice). The procedure for handling negative remittances will be determined by the parties and documented in the Billing Services Agreement (BSA).

When the RMR01 element =12 and the RMR03 element =AJ (Adjustment), the amount in the RMR04 element, which may be a credit or a debit, is an adjustment to a previously transmitted customer payment (PO) or receivables purchase (PR). When the adjustment pertains to an APPEPA Credit (RMR03=AJ and RMR07=GR), and the previously transmitted payment was for purchase of the customer receivable, the amount in this element is the net amount of the payment to the non-billing party for purchase of the customer receivable for the Assistance Program ParticipantEPA Credit. Each adjustment must be sent in a separate RMR Loop and the RMR07 and RMR08 elements are required to identify the nature of the adjustment.

When the RMR01 element =14 and the RMR03 element = AJ (Adjustment) the amount in the RMR04 element is due to, or from, the non-billing party and is NOT related to a specific customer account.

When an adjustment is being communicated, the amount sent in RMR04 must equal the amount sent in RMR08.

When RMR01=12 and RMR03=PO, the amount in RMR04 is the billing party's pro-rata share of a customer payment on a consolidated bill.

When RMR01=12 and RMR03=PR (Progress Payment) the amount in RMR04 is the net amount of the payment to the non-billing party for purchase of the customer receivable for the current period. For Purchased Receivables, the amount in RMR04 is the sum of the amounts sent in RMR05 and RMR06 (is negative or zero).

This data 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.

**Cond. RMR05 782 Monetary Amount**

**O R 1/18**

**Invoiced Amount**

This element is required when the remittance is for purchase of a customer receivable (RMR01=12 and RMR03=PR) or when the remittance is for an adjustment pertaining to an APPEPA Credit (RMR03=AJ and RMR07=GR).

Unless the remittance is for an adjustment pertaining to an APPEPA Credit (RMR03=AJ and RMR07=GR), the amount in RMR05 is the total amount (debit or credit) billed to the customer for ESCO charges (energy charges and taxes) for the current period. This amount should equal the amount sent in the TDS segment of the 810 Invoice identified in the REF\*60 for the customer account indicated in RMR02.

When the remittance is for an adjustment pertaining to an APPEPA Credit (RMR03=AJ and RMR07=GR), the amount in RMR05 is the total amount applied to the customer's account for the APPEPA Credit. This amount should equal the charge amount sent in the SAC segment (when SAC04=CRE030) when the APPEPA Credit is received via the 810 Invoice transaction; or it

should equal the amount sent in on the AMT segment when the **APPEPA** Credit is received via the 814 Change transaction (when the change reason=AMT7).

This data 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.

**Cond RMR06 782 Monetary Amount O R 1/18**

Discount Amount

The element is required when the remittance is for purchase of a customer receivable (RMR01=12 and RMR03=PR); or when the remittance is for an adjustment pertaining to an **APPEPA** Credit (RMR03=AJ and RMR07=GR).

RMR06 contains the amount of the discount applied to the current period invoiced amount or the **APPEPA** Credit adjustment amount (sent in RMR05) and must be preceded by a minus sign (-) unless because it is value that is less than zero. RMR05 plus RMR06 should equal the amount sent in RMR04. Where there is no discount, RMR06 should contain 0.00.

This data 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.

**Cond RMR07 426 Adjustment Reason Code X ID 2/2**

This element is required when RMR01=14 and must be populated with code 'CS'.

This element is required when RMR03 = AJ (Adjustment).

This element is not used when RMR03 = PO (Payment on Account) or PR (Progress Payment).

16 Non-Invoice Related Allowance/Charge

Purchased Receivables

This code is used to adjust amounts previously transmitted for purchase of receivables (i.e. NOT related to the current period invoice for the customer account indicated in RMR02) that cannot be addressed by using codes 25, 26, 86, BD, FC or IF.

25 Item Not Accepted

Remittance was rejected

This code would be used to recover an amount previously remitted to the non-billing party, i.e. an 820 was sent, along with the cash to the non-billing party, but the non-billing party subsequently rejected an individual remittance in that 820 transaction. Since the cash transfer isn't rejected, a correcting entry must be made.

This code is Not Used if the entire 820 transaction was rejected.

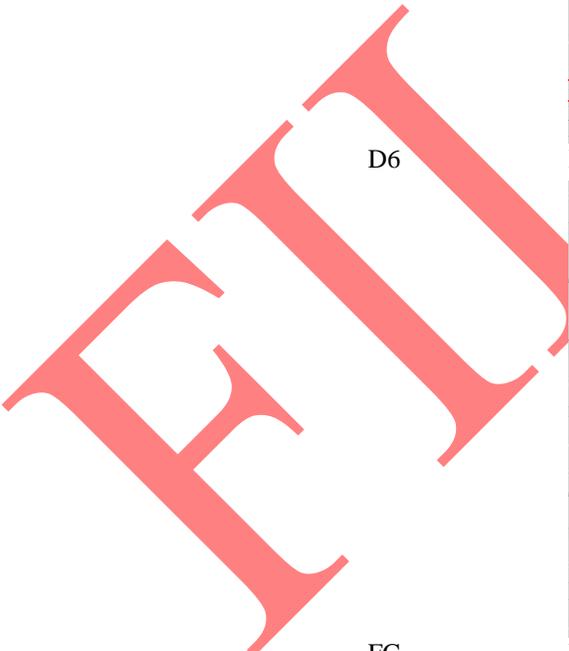
26 Invoice Cancelled

55 Tax Deducted

Adjustment for Unpaid Taxes

Funds previously remitted to purchase the receivables

			on the customer account indicated in RMR01 are being adjusted for unpaid taxes not recovered from the customer. The non-billing party may seek recovery for unpaid tax amounts by filing a claim directly with the taxing authority.
86			Duplicate Payment
BD			Bad Debt Adjustment This code is used to indicate that a debit adjustment to a customer's account pertains to that portion of the customer's receivables balance that the billing party has determined is now uncollectible due to the age of the arrears. This code is only applicable when Purchased Receivables with Recourse model is used and the parties have agreed that the billing party may recover from future remittances, amounts billed on behalf of, and advanced to, the non-billing party, that have not been collected from the customer.
CS			Adjustment Other Adjustments This code must be used when RMR01=14 (Master Account Number).
GR			Guarantee <del>Assistance Program Participation</del> ESCO Pricing Adjustment Credit This code is used to indicate a credit to the customer's account when the ESCO has charged <u>a customer taking service subject to a price guarantee an Assistance Program Participant</u> more than what the customer would have paid the utility.
D6			Recovery of Standard Allowances Charge Back of "Lesser Than Amounts" Un-recovered from Customer (Residential Customers Only) To end a disconnection of service the customer paid an amount equal to what the customer would have been billed for bundled utility delivery and commodity service for the period designated in the disconnection notice. The amount paid was less than the actual unpaid arrears for combined utility delivery and ESCO commodity charges. This adjustment reduces amounts owed to the ESCO by the difference between the total amount due in the disconnection notice for the account indicated in RMR01 and the amount actually collected on the account to reconnect service.
FC			Fund Allocation Misapplied Payments
IF			Insufficient Funds Returned Check



**Cond. RMR08 782 Monetary Amount X R 1/18**  
 Required if RMR03 = AJ (Adjustment)  
 Not used if RMR03 = PO (Payment on Account) or PR (Progress Payment)  
 Adjustment Amount  
 Where RMR03=AJ the amount in RMR04 will always be the same as the

amount in RMR08 because the adjustment amount is only populated if there is an adjustment to be made.

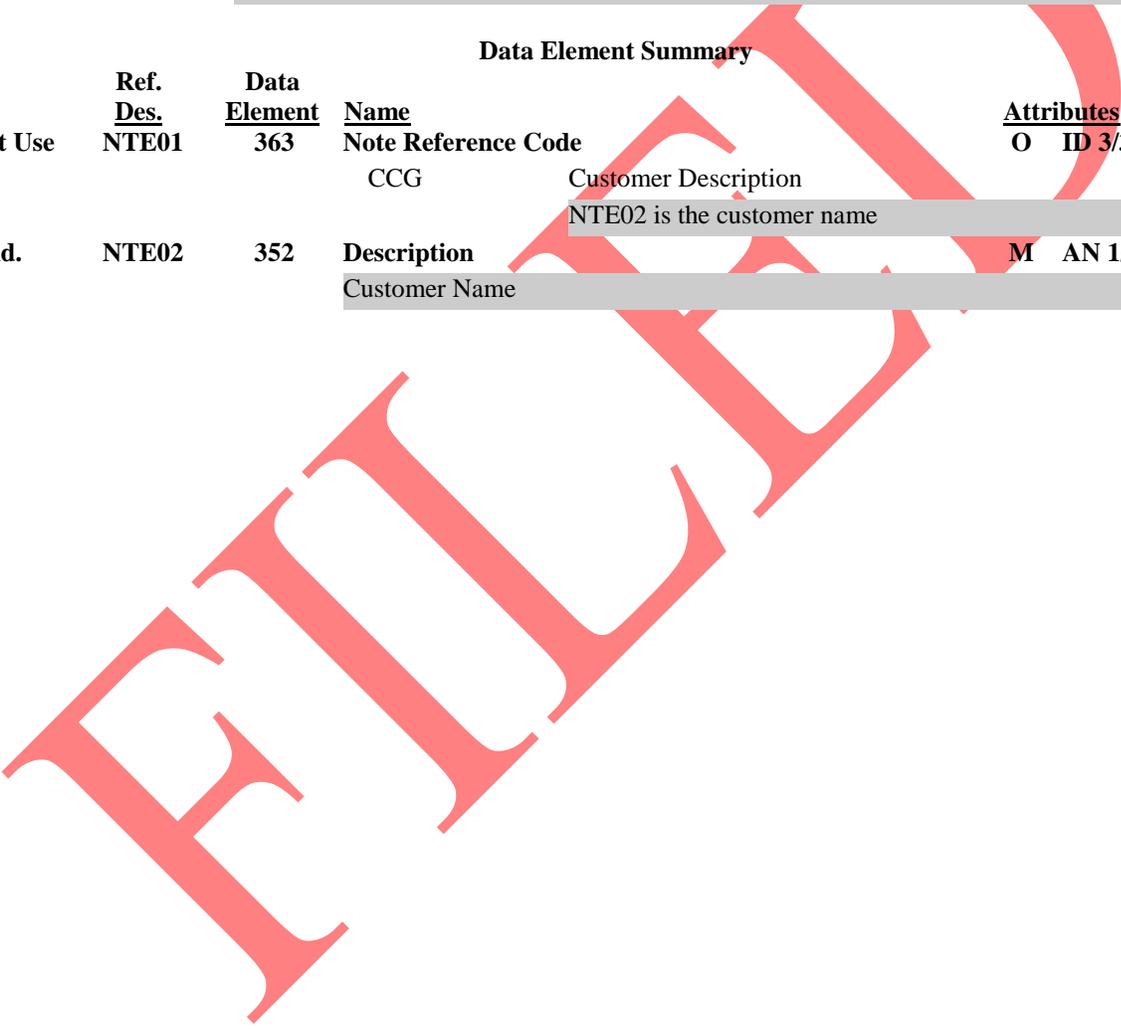
This data element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.

FILED

**Segment:** **NTE** Note/Special Instruction (Customer Name)  
**Position:** 160  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Notes:** Conditional  
 Not Used when RMR01 = 14 (Master Account Number)  
 NTE~CCG~JOE SMITH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	NTE01	363	Note Reference Code CCG Customer Description NTE02 is the customer name	O ID 3/3
<b>Mand.</b>	NTE02	352	Description Customer Name	M AN 1/80



**Segment:** **REF** Reference Identification (ESCO Customer Account Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional  
 This segment is Not Used when RMR01=14 (Master Account).  
 When RMR01=12 this segment is required if provided in advance by the ESCO (i.e. in an 814 Enrollment or 814 Change transaction).  
 REF~11~2348400586

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 11 Account Number	M ID 2/3
Must Use	REF02	127	Reference Identification ESCO's assigned account number for the customer.	X AN 1/30

**Segment:** **REF** Reference Identification (Previous Utility Account Number)

**Position:** 170

**Loop:** RMR Optional (Must Use)

**Level:** Detail

**Usage:** Optional (Dependent)

**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:** Conditional

This segment is Not Used when RMR01=14 (Master Account).

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), ~~This~~ segment is required when the utility assigned account number for the customer has changed in the last 90 days.

REF~45~1105687500

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			45	Old Account Number
				REF02 is the Utility's previous account number for the customer.
				The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visual presentation on a bill, for example, should be removed).
Must Use	REF02	127	Reference Identification	X AN 1/30
				Previous utility assigned customer account number. Current utility assigned account number for the customer must be sent in RMR02 when RMR01=12.

**Segment:** **REF** Reference Identification (Cross Reference Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional

All Models: When RMR01=14 (Master Account Number) this segment is Not Used.

Pay-As-You-Get-Paid Model:  
 When RMR03= PO (Payment on Account) this segment is not used.

Purchased Receivables Model:  
 When RMR03 = PR (Progress Payment) this segment is Required  
 When RMR03 = AJ (Adjustment) this segment is required if adjustment has a related cross reference number, otherwise not used.

When RMR07=GR this segment is Not Used.

REF~6O~2000042430326001 (Note code 6O with a letter O)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier	M ID 2/3
			6O Cross Reference Number	
Must Use	REF02	127	Reference Identification	X AN 1/30
			The cross-reference number originally transmitted in the 867 - BPT02, and the 810 - BIG05; used to link the 867, 810 and 820.	

**Segment:** **REF** Reference Identification (Invoice Number)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional  
 When RMR01 = 14 (Master Account Number) this segment is Not Used.  
 When RMR01 = 12 (Billing Account) this segment may be used to provide the invoice number from the BIG02 element of the 810 Invoice associated with the customer payment, the customer receivable or an adjustment to a payment or receivable previously sent.  

- When RMR07=GR this segment is Not Used.

 REF~IK~IN200207190001

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier IK Invoice Number	M ID 2/3
Must Use	REF02	127	Reference Identification	X AN 1/30
The invoice number originally transmitted in the 810 - BIG02.				

**Segment:** **REF** Reference Identification (Commodity)  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**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:** Conditional

This segment may be sent to indicate whether the RMR04 amount pertains to electric, gas or both commodities (a customer of a combination utility is enrolled with the same ESCO for both electric and gas service). This segment will be sent by Orange & Rockland when RMR01=12 and the RMR04 amount pertains only to the un-metered portion of service when both metered and un-metered service is present on an electric account.

REF~QY~EL  
 REF~QY~EL~U  
 REF~QY~GAS  
 REF~QY~BOTH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier QY Service Performed Code	M ID 2/3
Must Use	REF02	127	Reference Identification BOTH Both Commodities EL Electric Commodity GAS Gas Commodity	X AN 1/30
Cond	REF03	352	Un-metered Service Designator U Un-Metered Service	C AN 1/80

REF02 is the commodity associated with the customer account sent in RMR02.

The REF03 element will be sent by Orange & Rockland Utilities when the REF02 element = EL but the remittance advice pertains only to the un-metered portion of the electric service on the account transmitted in the RMR02 element in the RMR segment.

**Segment:** **DTM** **Date/Time Reference (Date Posted)**  
**Position:** 180  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Dependent)  
**Max Use:** 1  
**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.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**  
**Notes:**

Conditional

When RMR01=12 and RMR03=PO (Pay-As-You-Get-Paid) this segment is Required.  
 When RMR01=12 and RMR03=PR (Purchased Receivables) this segment is Not Used.  
 When RMR01=14 this segment is Not Used.  
When RMR07=GR this segment is Not Used.

DTM~809~20060119

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 809 Posted	M ID 3/3
Must Use	DTM02	373	Date	X DT 8/8

Date the payment or adjustment was received and posted to the billing party's application system.

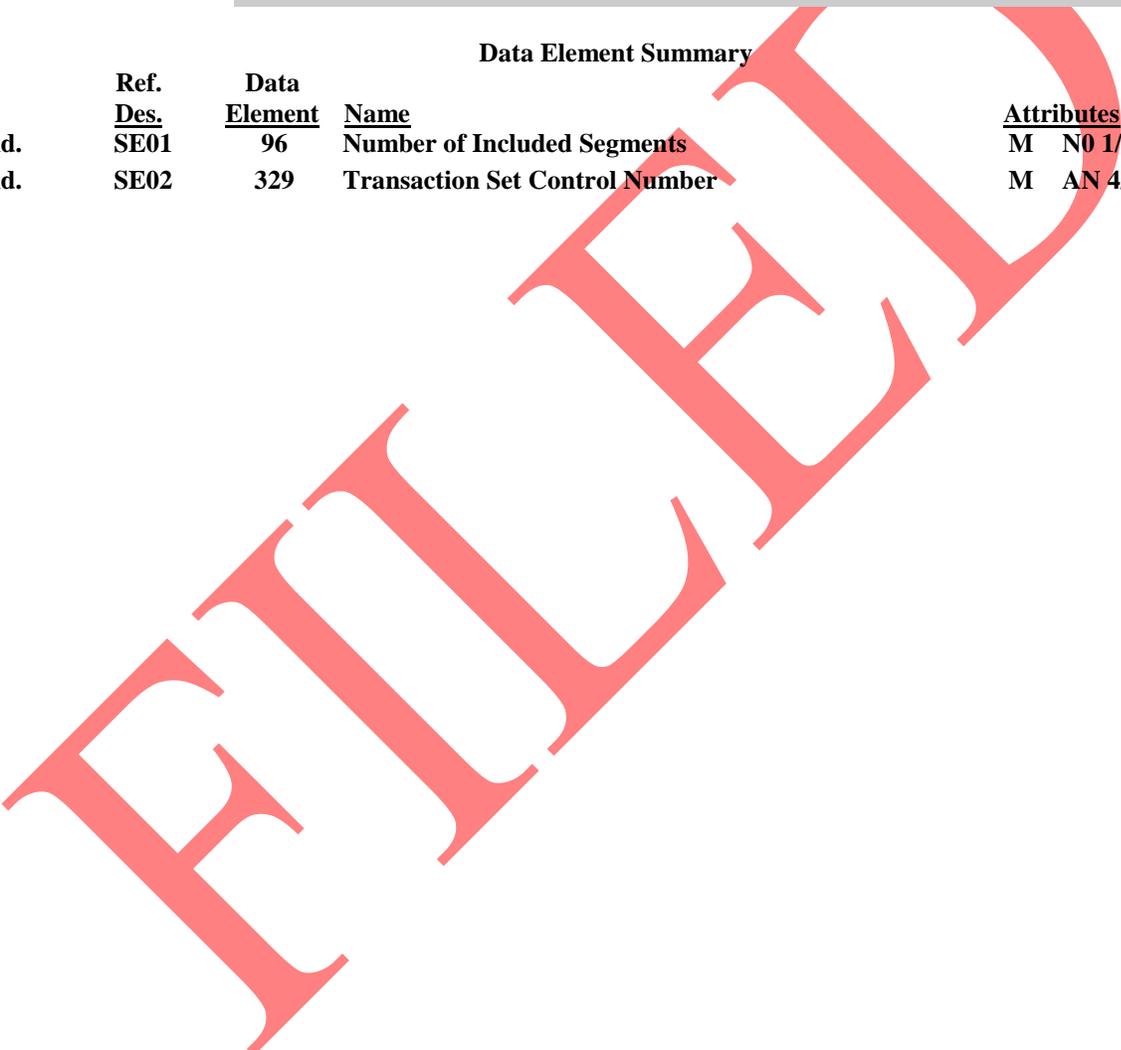
**Segment:** **SE** Transaction Set Trailer  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**  
**Semantic Notes:**  
**Notes:**

Required  
 SE~320~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</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 TS820 Remittance Advice, 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 would map a specific transaction.

### *Scenario 1 – Remittance for Utility Consolidated Billing Pay-As-You-Get-Paid Model*

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*74.99*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account Indicator</b>
NTE*CCG*JOE SMITH!	Customer Name
REF*11*526894GS!	ESCO assigned account number for the customer
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b>
NTE*CCG*MARY JONES!	Customer Name
REF*11*900987654!	ESCO assigned account number for the customer
REF*IK*IN200604150001546!	Invoice Number
REF*QY*BOTH!	Commodity
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*21*000001!	Transaction Set trailer; segment count; control number

**Scenario 2 – Remittance for Utility Consolidated Billing  
Purchased Receivables Model**

**Includes Optional Use of Un-metered Electric Service Indicator  
Includes Adjustment for Previously Remitted Purchase of Receivable**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*2.79*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PR*37.79*38.27*-.48!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*11*526894GS!	ESCO assigned account number for the customer
REF*60*867-3141980!	Cross Reference Number
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
RMR*12*99873110*AJ*-5.00***26*-5.00!	Utility Account Number; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*11*900987654!	ESCO assigned account number for the customer
REF*60*8673120850!	Cross Reference Number
REF*IK*IN200604150001546!	Invoice Number
REF*QY*EL*U!	Commodity; Amount Pertains to the <b>Un-metered Service on the Account</b>
RMR*12*94873841*AJ*-30.00***16*-30.00!	Utility Account Number; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*JOE JONES!	Customer Name
REF*11*624978310!	ESCO assigned account number for the customer
REF*60*8673281311!	Cross Reference Number
REF*IK*IN200602280000812!	Invoice Number
REF*QY*EL!	Commodity
SE*27*000001!	Transaction Set trailer; segment count; control number

**Scenario 3 – Remittance Advice Includes Billing Party Adjustments  
for Amounts Owed By or To Non Billing Party**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*1784.70*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
REF*AJ*31908410!	Utility Account number for the ESCO
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*14*999001*AJ*13068.92***CS*1306.92!	Utility Account Number for ESCO; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*EL!	Commodity
RMR*14*999002*AJ*-10128.31***CS*-1012.31!	Utility Account Number for ESCO; <b>Adjustment Indicator</b> ; Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*GAS!	Commodity
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b> ; Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*60*8673120850!	Cross Reference Number
REF*IK*IN200604150001546!	Invoice Number
REF*QY*EL!	Commodity
RMR*12*99123455*PR*37.79*38.27*-.48!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*60*8673141980!	Cross Reference Number
REF*IK*IN200604150001320!	Invoice Number
REF*QY*GAS!	Commodity
RMR*12*99789123*PR*202.97*206.67*-3.70!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*FLORA'S FLOWERS!	Customer Name
REF*60*8664250370!	Cross Reference Number
REF*IK*IN200604160001340!	Invoice Number
REF*QY*EL!	Commodity
RMR*12*99647022*PR*1275.33*1376.08*-100.75!	Customer's Utility Account Number; <b>Progress Payment Indicator</b> ; Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*WENT LAUNDROMAT!	Customer Name
REF*60*8652998011!	Cross Reference Number
REF*IK*IN200604140001360!	Invoice Number
REF*QY*GAS!	Commodity
SE*33*000001!	Transaction Set trailer; segment count; control number

**Scenario 4 – Remittance with 824 Rejection for entire Remittance  
Pay-As-You-Get-Paid Model: Part A – Remittance Transaction**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*50*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account Indicator</b>
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; <b>Adjustment Indicator</b>
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*12*000001!	Transaction Set trailer; segment count; control number

**Scenario 4 – Remittance with 824 Rejection for entire Remittance  
Part B – 824 Application Advice Transaction**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
OTI*TR*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*SUM!	Rejection Reason Code
NTE*ADD*DETAIL TOTAL DOES NOT EQUAL BPR02 AMT!	Rejection Reason Text
SE*8*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**

**Pay-As-You-Get-Paid Model: Part A – Remittance Transaction**

ST*820*000001!	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
BPR*I*177.38*C*FWT*****20060503!	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Wire Transfer</b> ; date the funds will be available
TRN*3*CP007909111 20060501001!	Re-association Trace Number
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*ESCO NAME*9*006821111NY01!	Payee Name and DUNS number
ENT*1!	Beginning of Detail Loop
RMR*12*99123455*PO*99.99!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*99873110*AJ*-25***26*-25!	Utility Account Number; Amount; <b>Adjustment</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*45648981*PO*23.48!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*12345678*PO*78.91!	Utility Account Number; Amount; <b>Payment on Account</b> Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
SE*16*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**

**Part B – 824 Application Advice Transaction for first account number**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
N1*8R*NAME!	Customer Name or literal "NAME"
REF*12*45648981!	Utility account number
OTI*TP*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Partial Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*A76!	Rejection Reason Code
NTE*ADD*INVALID ACCOUNT NUMBER!	Rejection Reason Text
SE*10*000001!	Transaction Set trailer; segment count; control number

**Scenario 5 – Remittance with 824 Rejection for two account numbers**  
**Part C – 824 Application Advice Transaction for second account number**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*9*006821111NY01!	ESCO Name and DUNS number
N1*8S*UTILITY NAME*1*006293048!	Utility Name and DUNS number
N1*8R*NAME!	Customer Name or literal "NAME"
REF*12*12345678!	Utility account number
OTI*TP*TN*CP007909111 20060501001 *****820!	Indicates action is a Transaction Set <b>Partial Reject</b> ; reference number from original transaction; original transaction was an <b>820</b>
TED*848*A76!	Rejection Reason Code
NTE*ADD*INVALID ACCOUNT NUMBER!	Rejection Reason Text
SE*10*000001!	Transaction Set trailer; segment count; control number

REJECTED

**Scenario 6 – EPA Credit and Overpayment Process**  
**820 Transaction - RMR Segment**

**Assumptions:** Customer is served by an ESCO for one month for a product that requires a price guarantee. The POR Discount Rate is 2%.

**Scenario:** An ESCO originally bills for \$100 but should have bills for no more than \$75. The initial credit to the customer should have been for \$25 but unintentionally was for \$50.

**1) Original ESCO charge for \$100:**

RMR~12~1238975432~PR~98.00~100.00~-2.00

ESCO charges for Customer are \$100. Less a \$2/2% discount fee the ESCO receives a \$98 payment from the Utility

**2) Initial ESCO credit back to the customer for \$50:**

ESCO overcharged customer by \$50 so a credit is issued for \$50. So \$50 dollars is credited to the customer and \$49 is deducted from the ESCO payment by the Utility.

RMR\*12\*1238975432\*AJ\*-49.00\*-50.00\*1.00\*GR\*-49.00  
NTE\*CCG\*NAME~  
REF\*11\*000283543~  
REF\*QY\*EL~

Because the credit does pertain to any particular invoice, there's no need to send an REF\*IK or REF\*60 segment. Similarly, the DTM\*809 segment is unnecessary too.

**3) Subsequent adjustment from ESCO to recover \$25 since the \$50 credit was incorrect:**

RMR\*12\*1238975432\*AJ\*24.50\*25\*-.50\*GR\*24.50

ESCO realizes the customer should have initially been charged \$75 and they sent too large a credit and want to recoup \$25 of the \$50 credit. The customer is charged \$25 and the ESCO receives a \$24.50 payment from the Utility.

**Summary/Review:**

Looking at the original \$100 charge (which should have been \$75) the net is the same had they billed the correct \$75 originally:

RMR~12~1238975432~PR~73.50~75.00~-1.50  
73.50 total payment to ESCO (98 + -49 + 24.50)  
75.00 total ESCO charge (100 + -50 + 25)  
-1.50 total Discount Fee (-2 + 1 + -.50)

**Scenario 7a – EPA Credit and Overpayment Process**  
**820 Transaction - Remittance Example with Credit Only**

<u>ST*820*000000001</u>	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
<u>BPR*I*24.67*C*FEW*****20160525</u>	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Reserve Funds/Wire Transfer - Repetitive</b> ; date the funds will be available
<u>TRN*3*CP123456789 T00000000000877</u>	Re-association Trace Number
<u>REF*AJ*12345</u>	Utility account number for the ESCO
<u>DTM*097*20160523</u>	Transaction Creation Date
<u>N1*PR*UTILITY NAME*1*123456789</u>	Payer Name and DUNS number
<u>N1*PE*ESCO NAME*1*987654321</u>	Payee Name and DUNS number
<u>ENT*1</u>	Beginning of Detail Loop
<u>RMR*12*1111111111*AJ*24.67*25*-.33*GR*24.67</u>	Utility Account Number; Amount; <b>Adjustment Indicator</b>
<u>NTE*CCG*CUSTOMER NAME</u>	Customer Name
<u>REF*QY*EL</u>	Commodity
<u>SE*12*000000001</u>	Transaction Set trailer; segment count; control number

**Scenario 7b – EPA Credit and Overpayment Process**  
**820 Transaction - Remittance Example with Credit and Regular Account**

<u>ST*820*000000001</u>	Transaction Set header; transaction defined is an <b>820</b> ; control number assigned by originator
<u>BPR*I*40.57*C*FEW*****20160525</u>	Transaction is a <b>Remittance Only</b> ; Total Amount that will be paid; <b>Credit</b> ; Method is <b>Federal Reserve Funds/Wire Transfer - Repetitive</b> ; date the funds will be available
<u>TRN*3*CP123456789 T00000000000867</u>	Re-association Trace Number
<u>REF*AJ*12345</u>	Utility account number for the ESCO
<u>DTM*097*20160523</u>	Transaction Creation Date
<u>N1*PR*UTILITY NAME*1*123456789</u>	Payer Name and DUNS number
<u>N1*PE*ESCO NAME*1*987654321</u>	Payee Name and DUNS number
<u>ENT*1</u>	Beginning of Detail Loop
<u>RMR*12*1111111111*AJ*-49.35*-50*.65*GR*-49.35</u>	Utility Account Number; Amount; <b>Adjustment Indicator</b>
<u>NTE*CCG*CUSTOMER NAME</u>	Customer Name
<u>REF*QY*EL</u>	Commodity
<u>RMR*12*1111111111*PR*89.92*91.11*-1.19</u>	Utility Account Number; Amount; <b>Progress Payment Indicator - POR</b>
<u>NTE*CCG*CUSTOMER NAME</u>	Customer Name
<u>REF*60*U0000000000001006766</u>	Cross Reference Number
<u>REF*IK*B00000000000000002674</u>	Invoice Number
<u>REF*QY*EL</u>	Commodity
<u>SE*17*000000001</u>	Transaction Set trailer; segment count; control number

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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*This document describes the detailed business processes associated with remitting funds to the non-billing party under Utility consolidated billing models. The scope of this document addresses processes associated with the disposition of customers payments received on consolidated bills, by either the billing or non billing party, utility purchase of an ESCO customer receivable, and payments/payment reversals associated with amounts owed to, or from, an ESCO that are unrelated to a specific customer account.*

*In developing these business processes, the following documents were reviewed:*

- Case 98-M-0667, Report of NY EDI Collaborative, issued June 30, 1999.
- Order approving EDI Test Plans and Data Standards, issued and effective November 8, 2001 in Case 98-M-0667 - In the Matter of Electronic Data Interchange
- Order Approving Electronic Data Interchange Transactions for Utility Bill Ready and Rate Ready Billing, issued and effective June 21, 2002 in Case 98-M-0667.
- Case 98-M-1343, In the Matter of Retail Access Business Rules, Errata Notice, issued August 2, 2004.
- Case 99-M-0631 and Case 03-M-0017, Order Relating to Implementation of Chapter 686 of the Laws of 2003 and Pro-ration of Consolidated Bills, issued and effective June 20, 2003
- Case 98-M-1343, Case 99-M-0631, and Case 03-M-0117, Order on Petitions for Rehearing and Clarification, issued and effective December 5, 2003.
- Case 98-M-1343 and Case 99-M-0631 and Case 03-M-0117, Order on Petitions for Rehearing and Clarification, issued and effective June 22, 2005.
- Order Taking Actions to Improve the Residential and Small Nonresidential Retail Access Markets, issued and effective February 25, 2014 in Case 12-M-0476 et.al.
- Order Resetting Retail Energy Markets and Establishing Further Process, Issued and Effective February 23, 2016 in Case 15-M-0127 et al.

**NOTES:**

- The source of various Process Rules listed in this document is indicated by the following annotations which precede each rule:
  - UBP = NY Uniform Business Practices
  - CR = Report of the NY EDI Collaborative

## REMITTANCE ADVICE BUSINESS PROCESSES UTILITY CONSOLIDATED BILLING MODELS

- CWG = Collaborative Work Group or Case 12-M-0476 EDI Working Groups
  - [CWG][UBP (insert Section and paragraph cite)] = Collaborative Work Group clarification, interpretation or comment intended to accommodate Electronic Data Interchange. The following abbreviations are used for UBP Section references:
    - DEF                    Section 1 Definitions
    - ELIG                  Section 2 Eligibility Requirements
    - CRED                 Section 3 Creditworthiness
    - CI                     Section 4 Customer Information
    - CSP                  Section 5 Changes in Service Providers
    - CINQ                 Section 6 Customer Inquiries
    - UI                     Section 7 Utility Invoices
    - DISP                 Section 8 Disputes Involving Distribution Utilities, ESCOs or Direct Customers
    - B&PP                Section 9 Billing and Payment Processing
  - [HEFPA] = Modifications to the Uniform Business Practices adopted in orders issued in Case 03-M-0117 implementing Part 686 modifications to the Home Energy Fair Practices Act.
- References to the text of the Uniform Business Practices (UBPs) displayed in the Process Rules sections in this document are those UBPs that are relevant to the scope of the business processes being described in this document and incorporated, by reference, into this document. Those UBPs that require elaboration, clarification, or interpretation in light of other EDI standards or modification to accommodate EDI data exchange processes will be displayed in the Process Rules section AND will also be highlighted in the Comments/Recommendations/Issues section.
  - Any item displayed under a Process component (i.e. rules, etc.) is also applicable for its sub-processes, unless otherwise noted.
  - For purposes of validating customer transactions, the customer's utility account number (with check digit, if included) must be included on every transaction.
  - Utilities and ESCOs must demonstrate the technical capability to exchange information electronically for the billing and payment processing options offered by each party and meet the operational time frames that support the billing options used (UBP B&PP B. 8.).

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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- The billing party is not responsible for collection of non-billing party funds, unless agreed to in a BSA.
- When a consolidated billing arrangement is in place, an 820 Remittance Advice is used by the billing party to provide details of the payments remitted to the non-billing party and is also used to provide details of payments being reversed. The payments/adjustment detail provided may pertain to customer's payments on consolidated bills (Pay-As-You-Get-Paid Model) or the purchase of an ESCOs current and/or past due receivables (Purchase Receivables Model). The Remittance Advice transaction must always be sent by the billing party to the non-billing party even where the billing party is utilizing a bank to process the remittance of funds to the non-billing party.
- The 820 Remittance Advice may also contain credits and/or adjustments associated with [ESCO Pricing Adjustment \(EPA\) Credits, e.g.](#) Account Program Participant (APP) price guarantees, that reduce the amounts owed to the non-billing party for services provided, including periods during which the ESCO is not the customer's current supplier.
- The 820 Remittance Advice may also contain payments and/or adjustments associated with funds due from, or owed to, the non-billing party for services rendered or fees assessed by the billing party such as billing services fees, additional wire transfer costs, imbalance fees, etc. These payments/adjustments will be identified in the Remittance Advice by a Master Account Number which may be either an account number assigned to the non-billing party by the billing party or a 'dummy' account number of the form 99999xxxx at the discretion of the billing party. Separate 'dummy' account numbers may be established to distinguish between payments/adjustments specific to electric service versus those that pertain to gas service.
- To minimize the administrative costs associated with reconciling the 820 Remittance Advice transactions with the corresponding funds transfers, the 820 Remittance Advice transaction and funds transfer must be initiated on the same business day. When the payment processing method is Pay-As-You-Get-Paid, the billing party must initiate the funds transfer to the non-billing party, within two business days of receipt and posting of the funds by use of Electronic Funds Transfer (EFT), Automated Clearing House (ACH), check or similar means to banks or other locations as agreed to by the parties. For the Purchase Receivables method, the parties shall agree upon, and document in the Billing Service Agreement, the date and method of payment.
  - The total amount indicated in the 820 Remittance Advice transactions, when positive, must be equal to the funds being transferred.
  - Each 820 Remittance Advice may contain multiple accounts for multiple commodities.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

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- Where the billing party has prepared a consolidated bill consisting of electric and gas charges, payments may be remitted either for combined electric and gas charges or for electric and gas charges separately.
- The 820 Remittance Advice will contain payments (or reversed payments) detailed by individual customer account (or master account number) as well as the total amount of all payments/reversals contained in the transaction.
- Parties must document in their Billing Services Agreements the process to be used when the total amount in the Remittance Advice is a negative amount.
- The non-billing party should not use an 820 Remittance Advice to communicate the posting of payments or credits.
- Customer usage, billing, and credit data is to be considered confidential and may not be shared with anyone without the express authorization of the customer, unless disclosure is required by appropriate legal or regulatory authority or is authorized in accordance with the Uniform Business Practices to facilitate the customer's retail access or billing and payment choice. The same level of accountability for data confidentiality will apply to any third party data service providers engaged by an ESCO or Utility. Parties utilizing third party data service providers must ensure that such providers adhere to this confidentiality policy, for example, by incorporating express terms regarding data confidentiality in a Billing Service Agreement and/or Trading Partner Agreement. Delivery service billing data for customers with negotiated delivery contracts may not be disclosed without the utility's consent, except as otherwise required by appropriate regulatory and other legal authorities.
- Although transactions may be sent at any time, they will be processed during normal business days and hours. Business days are Monday through Friday, except for national holidays and for days for which business cannot be performed due to force majeure events [see UBP definition for 'Business Day' and paragraph B&PP D.1.j.]. Related to the 820 Remittance, since the Billing Party is required to send payments to the non billing party within 2 days of receipt from the customer, if the payment is received/posted on Day 1 during business hours, the billing party must send payment and the 820 Remittance Advice by close of business on Day 3.

REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS

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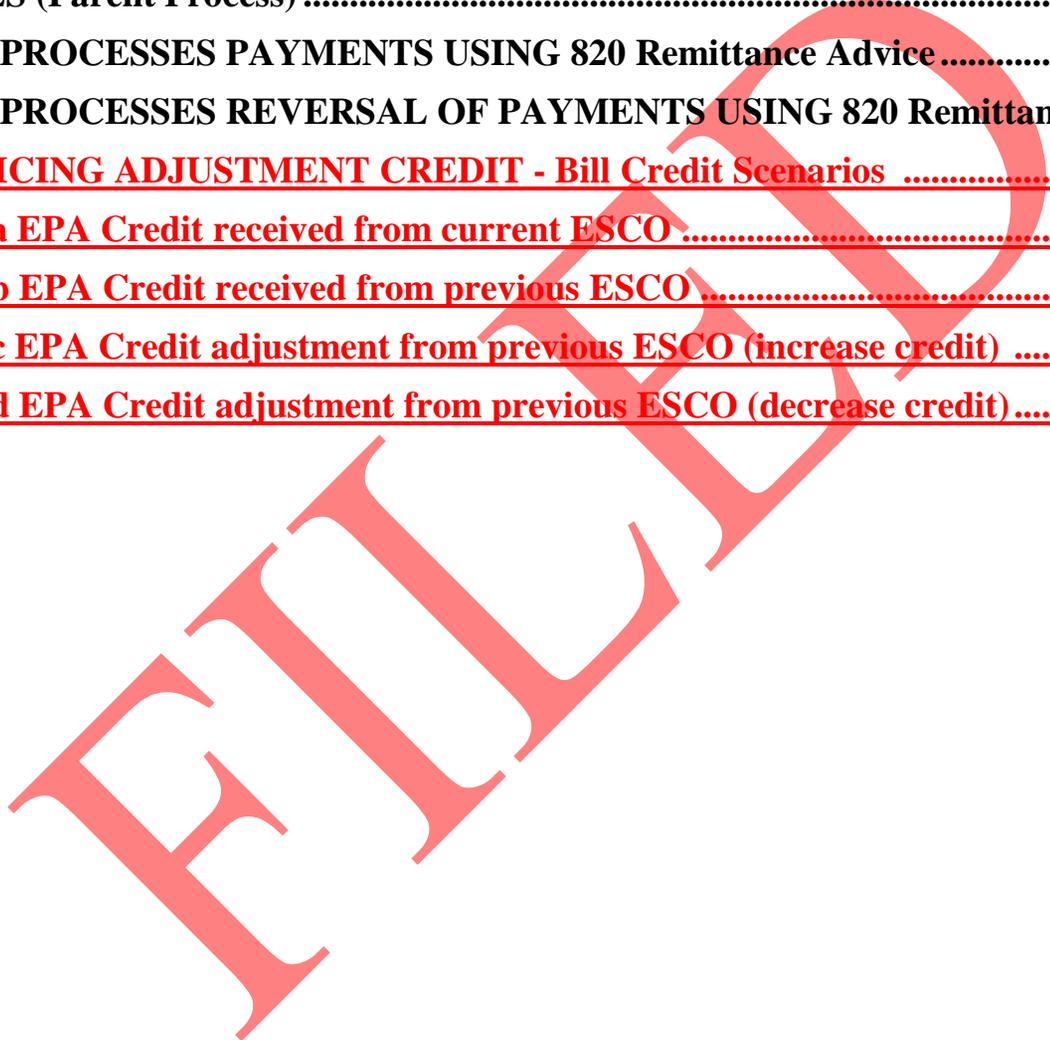
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<b>PROCESS DEFINITION:</b>	<p>Process by which customer payments made on consolidated bills are allocated, payments are transmitted and details of payments and payment reversals are communicated. Payments may be reversed under the following scenarios:</p> <ul style="list-style-type: none"> <li>• Returned check</li> <li>• Misapplied payment</li> <li>• Duplicate payment on an individual account</li> <li>• Payment remittance is rejected</li> <li>• Bill is cancelled (Not used with Bill Ready Pay-As-You-Get-Paid Method)</li> <li>• Errors in payment calculation (for master account amounts).</li> </ul> <p>Depending on the scenario, the method for processing payment reversals via EDI will be detailed in the Billing Services Agreement (BSA).</p>
<b>TRIGGER(S):</b>	ESCO customers receive consolidated bills and a customer payment is received on account (Pay-As-You-Get-Paid), the billing party is purchasing the ESCO customer receivable, or the billing party is collecting or crediting amounts owed by or to the non-billing party.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Billing Information; ESCO Billing Information, Payment Information, Receivables Information.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
<b>PROCESS OUTPUTS:</b>	Communication between the billing party and non-billing party describing payment or payment reversal on customer account.
<b>SUB OR PRECEDING PROCESSES:</b>	<ul style="list-style-type: none"> <li>• Customer is established on consolidated billing model.</li> <li>• The billing party issues consolidated bills.</li> <li>• Billing party receives a payment on a consolidated bill.</li> <li>• Billing party allocates payment according to payment allocation rules.</li> <li>• Where allocation results in an amount that should be remitted to the non-billing party, funds are transferred and the 820 Remittance Advice is sent.</li> </ul> <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines that a payment on account previously remitted should be reversed.</li> <li>• The billing party debits funds being remitted equal to the amount of the payment being reversed and includes the debit information in the 820 Remittance Advice identifying the amount of the payment being reversed.</li> </ul> <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines the amount due the ESCO for purchase of the current period receivable for each ESCO account in a billing cycle.</li> <li>• Funds are transferred and the 820 Remittance Advice is sent on the date agreed upon and documented in the BSA between the parties.</li> </ul> <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines that a purchase of the ESCO receivable previously remitted should be</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
	<p>reversed or adjusted.</p> <ul style="list-style-type: none"> <li>• The billing party debits (or credits) funds being remitted equal to the amount of the payment being reversed or adjusted and includes the adjustment information in the Remittance Advice.</li> </ul> <p align="center">Or</p> <ul style="list-style-type: none"> <li>• The billing party determines the amount of charges (or credits) due from, or to, the non-billing party for services or fees that are unrelated to an individual customer account.</li> <li>• The billing party debits (or credits) funds being remitted equal to the amount of the charge (or credit) on the date agreed upon in the BSA between the parties and includes the charge (or credit) detail in the Remittance Advice under a master account number.</li> </ul> <p>1.0 Utility Processes Payment Using 820 Remittance 2.0 Utility Processes Reversal of Payment Using 820 Remittance</p>
<b>PROCESS RULES:</b>	<p>[UBPs B&amp;PP D.1., B&amp;PP D.3., B&amp;PP D.4., B&amp;PP G.13., B&amp;PP J.1., B&amp;PP J.2. and B&amp;PP J.8.] [HEFPA-UBPs B&amp;PP J. 4. and B&amp;PP J.5.]</p> <p>[CWG] Regarding UBP B&amp;PP D.1.k – n.: When consolidated billing is in effect, the billing party is responsible for administration of the non-billing party account balance including maintenance of the non-billing party balance, presentation of the non-billing party balance on the consolidated bill, and allocation of payments to the non-billing party balance.</p> <p>[CWG]Regarding UBP B&amp;PP J.2.a.: This paragraph of the Practices describes information to be provided to the non-billing party related to customer payment activity in account detail including: the date payments were posted, the date payments were transferred and payment amounts allocated to the non-billing party. The Remittance Advice will contain this information as well as either a payment or an adjustment indicator and an adjustment reason, if applicable. Information on the total amount of the customer’s payment received by the billing party will be made available in the manner described in UBP</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
	<p>B&amp;PP J.2.c. Footnote 16 until an EDI standard has been modified to incorporate this information.</p> <p>[CWG] For Utility consolidated billing models the following process should be used when payments are received by the non-billing party:</p> <ul style="list-style-type: none"> <li>• The non-billing party should apply the entire payment to the customer’s account with the non-billing party;</li> <li>• The non-billing party must notify the billing party of receipt of the customers’ payment as follows:             <ul style="list-style-type: none"> <li>➤ <u>Bill Ready</u> -- Via the PAM segment in the EDI 810</li> <li>➤ <u>Rate Ready</u> -- Via EDI 568 Accounts Receivable Advisement</li> </ul> </li> <li>• Upon receipt of notification from the non-billing party, the billing party must adjust the customer's receivables balance with the non-billing party to reflect the payment amount and determine the allocation of the payment between the billing and non-billing party in accordance with pro-ration procedures established in B&amp;PP J.4.a. The receivables balances of the parties may subsequently be adjusted to reflect the pro-rata share of the payment applicable to each party.</li> <li>• In addition, the BSA between the parties should specify additional actions the non-billing party is expected to take regarding notification to the billing party when funds are received. The BSA should identify the method(s) that will be used to notify the non-billing party and the customer of the pro-rata share of the payment allocated to each party.</li> </ul> <p>[CWG] [UBP B&amp;PP J.4.d.] When payments are received without enough information for the billing party to identify the customer account, this paragraph advises that customer’s should contact the billing party to inquire about any late charges or the lack of payment credit. This process should apply only to Utility Rate Ready consolidated billing.</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<p><b>PROCESS NUMBER:</b></p>	<p><i>RAUO</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i></p>
<p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a payment from the customer is received by either the billing or non-billing party without an account number or enough information for the recipient to identify the payer, the payment will be held and processed when sufficient information is obtained to identify the account.</p> <p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a customer contacts either the billing or non-billing party to inquire about a payment that may not have been identified, the party that received the unidentifiable payment, which may be either the billing or non-billing party, will investigate the payment.</p> <p>[CWG] Regarding UBP B&amp;PP J.4.d.: When a payment from the customer is received by either the billing or non-billing party without sufficient information to identify the payer, the payment should be handled as follows:</p> <ul style="list-style-type: none"> <li>• <u>Billing Party is the Recipient of the Payment – Utility Consolidated Billing Models</u> When the billing party identifies the payer, the payment will be allocated, and where allocation results in an amount that should be remitted to the non-billing party, the billing party will initiate an 820 Remittance Advice and a funds transfer to the non-billing party.</li> <li>• <u>Non-billing Party is the Recipient of the Payment – Utility Consolidated Billing Models</u> When the non-billing party identifies the payer, the entire payment will be applied to the customer’s account with the non-billing party. In the Bill Ready model, the billing party will be notified via the PAM segment in an 810 Invoice. In the Rate Ready model the billing party will be notified of payment via the EDI 568 Accounts Receivable Advisement transaction. In addition, the BSA between the parties should specify additional actions the non-billing party is expected to take regarding notification to the billing party when funds are received. The BSA should identify the method(s) that will be used to notify the non-billing party and the customer of the pro-rata share of the payment allocated to each party.</li> </ul>	

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<p><b>PROCESS NUMBER:</b></p>	<p><i>RAUO</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i></p>
<p>[CWG] A customer payment must be posted to the receiver’s system(s) on the same date as it is received.</p> <p>[CWG] To minimize the administrative costs associated with reconciling the 820 Remittance Advice transaction with the corresponding funds transfer the Remittance transaction and funds transfer must be initiated on the same business day.</p> <p>[CWG] Where the billing party has prepared a consolidated bill consisting of electric and gas charges, payments may be remitted in the 820 Remittance Advice either separately or combined.</p> <p>[CWG] The 820 Remittance Advice will contain payments (or reversed payments) detailed by individual customer account (or master account number) as well as the total amount of all payments/reversals contained in the transaction.</p> <p>[CWG] In cases where an item on the 820 Remittance Advice or the entire 820 Remittance Advice is rejected by the non-billing party, for example when a duplicate 820 Remittance Advice was sent in error, the funds will have already been transmitted and will be retained by the non-billing party. It is the responsibility of the billing party to initiate a process to recover the funds transferred and provide account detail either via a payment reversal (adjustment) in an 820 Remittance Advice (if feasible) or another process acceptable to the parties which must be documented in the BSA.</p> <p>[CWG] An 820 Remittance Advice is always transmitted when the sum of the payments and payment reversals included in the Remittance Advice is a positive remittance amount. Parties must document in their BSAs which process is to be used when the sum of the amounts in an 820 Remittance Advice is zero or a negative amount. Processes that may be used include: holding the 820 Remittance for one day or more to allow for payments and reversals included in the 820 Remittance of the following day(s) to offset the negative remittance amount; sending a Remittance Advice where the summary amount for the transaction equals “zero” but the sum of the detail amounts is a negative number; sending a Remittance Advice where the summary amount is a negative number; and/or taking other actions to allow for resolution of the negative 820 Remittance Advice, etc.</p>	

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<p><b>PROCESS NUMBER:</b></p>	<p><i>RAUO</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i></p>
<p><b>COMMENTS/ RECOMMENDATION S/ISSUES</b></p>	<p>[CWG] [B&amp;PP J.4.d.] When payments are received without enough information for the billing party to identify the customer account, this paragraph indicates that the customer should contact the billing party to inquire about any subsequent late charges or the lack of payment credit. The billing party is expected to resolve the matter and reverse the late payment charges. It should be clarified that these provisions are limited to Utility Rate Ready consolidated billing. In the Utility Bill Ready model it is the non-billing party who calculates all charges and makes all adjustments to past charges including the reversal of LPCs.</p> <p>The Collaborative considered a number of methods in developing a process for handling payments received by a non-billing party and identified a <i>best practice</i> based on the criteria described below.</p> <p><u>Frequency</u> – It is expected that the instances in which customers would make payments to a non-billing party will be low; therefore, the extensive efforts needed to develop an elaborate method for handling such payments appear unwarranted.</p> <p><u>Customer Intention</u> – In the consolidated billing model, the billing party provides the customer with payment instructions, a payment stub and a mailing envelope or some other method for payment remittance (instructions for payment on Web site, etc.). Based on this, when the customer remits their payment to the non-billing party, the customer is making a clear choice as to which party the payment should be applied to. In such a case, the customer has made special efforts to make payment to the non-billing party; rather than use the means (envelope, etc.) provided by the billing party, the customer is making a decision to use another means, such as writing out an envelope and mailing it to the non – billing party. Payments sent by the customer to the non-billing party may be payments for dual bill(s) outstanding at the time the consolidated billing relationship became effective or for amounts that were charged back to the ESCO because they were deemed uncollectible by the billing party.</p> <p><u>Processing Methods</u> – The processing method developed by the Collaborative is fully automated and avoids the use of manual processing routines that are prone to error. The method is also streamlined and</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<p><b>PROCESS NUMBER:</b></p>	<p><i>RAUO</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i></p>
	<p>avoids the need to process payments more than once. In the method recommended the total payment is applied by the non-billing party to its receivable balance for the customer, pending determination by the billing party of the proper pro-rata share of the payment that should be allocated to each party. In comparison, methods that involve transmission of the payment from the non billing party to the billing party are more complex. For example, in the method where the entire payment is sent to the billing party for processing the following steps must be followed:</p> <ul style="list-style-type: none"> <li>• The non-billing party receives the payment,</li> <li>• The non-billing party posts it to their Customer Service System (CSS),</li> <li>• The non-billing party reverses the payment on their CSS</li> <li>• The non-billing party notes the customer account indicating that payment has been made.</li> <li>• The non-billing party transmits the payment to the billing party (would require modified processing protocols)</li> <li>• The billing party allocates the payment.</li> <li>• The billing party processes the payment.</li> <li>• Where an amount is due to the non-billing party, the billing party transmits payment and an 820 Remittance Advice to the non-billing party.</li> <li>• The non-billing party receives the payment.</li> <li>• The non-billing party posts it to their Customer Service System (CSS).</li> </ul> <p>Using this method, a customer’s payment is essentially processed a total of three times which would substantially increase the likelihood of processing errors. In most instances where the Utility is the non-billing party these extensive efforts will only result in the entire payment being returned to the Utility, albeit after a delay, according to the wishes of the customer.</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
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<b>PROCESS NUMBER:</b>	<i>RAUO</i>
<b>PROCESS NAME:</b>	<i>PAYMENTS OR PAYMENT REVERSALS ARE PROCESSED UNDER UTILITY CONSOLIDATED BILLING MODELS (PARENT PROCESS)</i>
	<p><u>Reallocation of Payment</u> – The method recommended by the Collaborative provides an efficient means for the reallocation of the payment. Notification of the payment by the non-billing party to the billing party provides the parties with the opportunity to review the payment and take actions as necessary for its reallocation. It is expected that instances in which reallocation will be necessary will be extremely infrequent.</p>

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**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

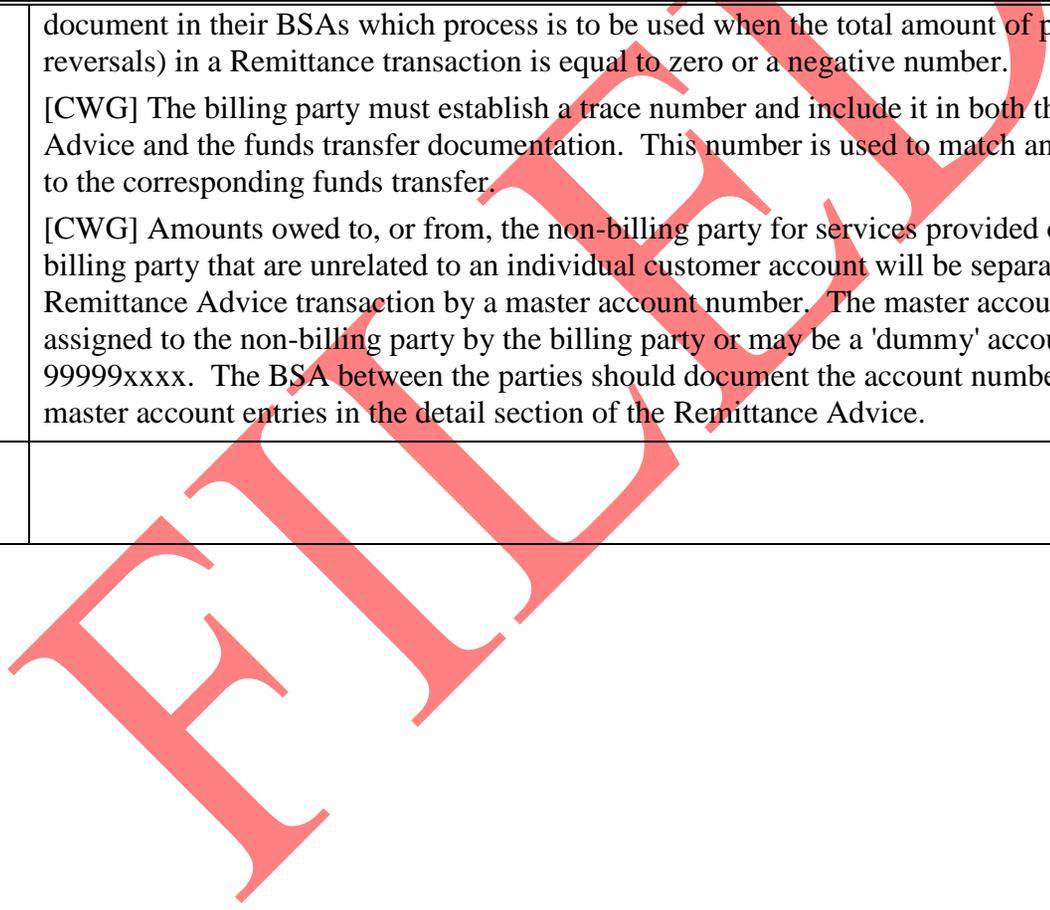
<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
<b>PROCESS DEFINITION:</b>	Process by which the Billing Party provides detail of payments being transmitted to the non-billing party.
<b>TRIGGER(S):</b>	Customer payment is allocated and results in a payment that should be sent to the non-billing party or a consolidated bill is issued and the billing party will purchase the non-billing party's receivable.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Information; ESCO Information, Customer Information, Payment Information, Receivables Information.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> This response is not applicable to receipt of an 820 Remittance Advice</p> <p><b>Negative Response:</b> The sender of the Advice may be notified of errors in a Remittance transaction via an 824 Application Advice transaction or may be contacted directly through other means. A negative response may pertain to payment information for an individual account in the Remittance transaction or to the entire Remittance transaction.</p> <p><b>Negative Responses At Individual Customer Account Level:</b></p> <ul style="list-style-type: none"> <li>• Account Number Not Valid (A76)</li> <li>• Account Does Not Have Service Requested (A91)</li> <li>• Invalid Relationship (A84)</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<ul style="list-style-type: none"> <li>• Invoice Number Invalid or Missing (I76)</li> <li>• Other (A13)</li> </ul> <p><b>Negative Responses At Transaction Level:</b> (Use of Specific Codes Documented in BSA)</p> <ul style="list-style-type: none"> <li>• Duplicate Remittance (ABN)</li> <li>• ID # (Payer or Payee) Invalid or Missing (D76)</li> <li>• Sum of Individual Payments Not Equal to Transaction Total (SUM)</li> <li>• Invalid Relationship (A84)</li> <li>• Total Charges Negative (TCN)</li> <li>• Other (A13)</li> </ul>
<b>SUB OR PRECEDING PROCESSES:</b>	See parent.
<b>PROCESS RULES:</b>	<p>[CWG] The funds transfer method to be used by the billing party will be documented in the Billing Services Agreement executed between the billing and non-billing parties.</p> <p>[CWG] To minimize the administrative costs associated with reconciling the 820 Remittance Advice transactions with the corresponding funds transfer, the Remittance transaction and funds transfer must be initiated on the same business day and must contain the same trace id.</p> <p>[CWG] The non-billing party will use both the funds received and the corresponding 820 Remittance Advice to process the funds.</p> <p>[CWG] When the total amount of payments (and payment reversals) sent in a Remittance transaction is a positive number, the Remittance total must be equal to the corresponding funds transfer. Parties must</p>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 1.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<p>document in their BSAs which process is to be used when the total amount of payments (and payment reversals) in a Remittance transaction is equal to zero or a negative number.</p> <p>[CWG] The billing party must establish a trace number and include it in both the 820 Remittance Advice and the funds transfer documentation. This number is used to match an 820 Remittance Advice to the corresponding funds transfer.</p> <p>[CWG] Amounts owed to, or from, the non-billing party for services provided or fees assessed by the billing party that are unrelated to an individual customer account will be separately identified in the Remittance Advice transaction by a master account number. The master account number may be assigned to the non-billing party by the billing party or may be a 'dummy' account number of the type 99999xxxx. The BSA between the parties should document the account number(s) to be used in the master account entries in the detail section of the Remittance Advice.</p>
<b>COMMENTS:</b>	



**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
<b>PROCESS DEFINITION:</b>	Process by which the billing party will communicate the reversal of, and/or adjustments to, amounts previously sent to the non-billing party.
<b>TRIGGER(S):</b>	A remittance item previously sent by the billing party to the non-billing party now requires action to resolve a debit or credit arising from the application of that item to the non-billing party's customer or other receivables.
<b>ESTIMATED / PEAK TRANSACTION RATE:</b>	Dependent on the number of customers enrolled in Consolidated billing models.
<b>PROCESS INPUTS:</b>	Utility Information; ESCO Information, Customer Information; Payment Information, Receivables Information.
<b>PROCESS OUTPUTS:</b>	<p><b>Positive Response:</b> For processing of accepted <u>APP-EPA</u> Credits:</p> <ul style="list-style-type: none"> <li>a) Rate Ready - Customer still active with ESCO <ul style="list-style-type: none"> <li>• Utility includes credit on the next bill to the customer.</li> <li>• Utility sends 820 to the ESCO with PO/PR code for the original amount billed.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> </li> <li>b) Bill Ready - Customer still active with ESCO <ul style="list-style-type: none"> <li>• ESCO includes a charge line item for SAC04 = CRE030 for the <u>APP-EPA</u> Credit.</li> <li>• Utility sends 820 to the ESCO with PO/PR code for the regular charges.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> </li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

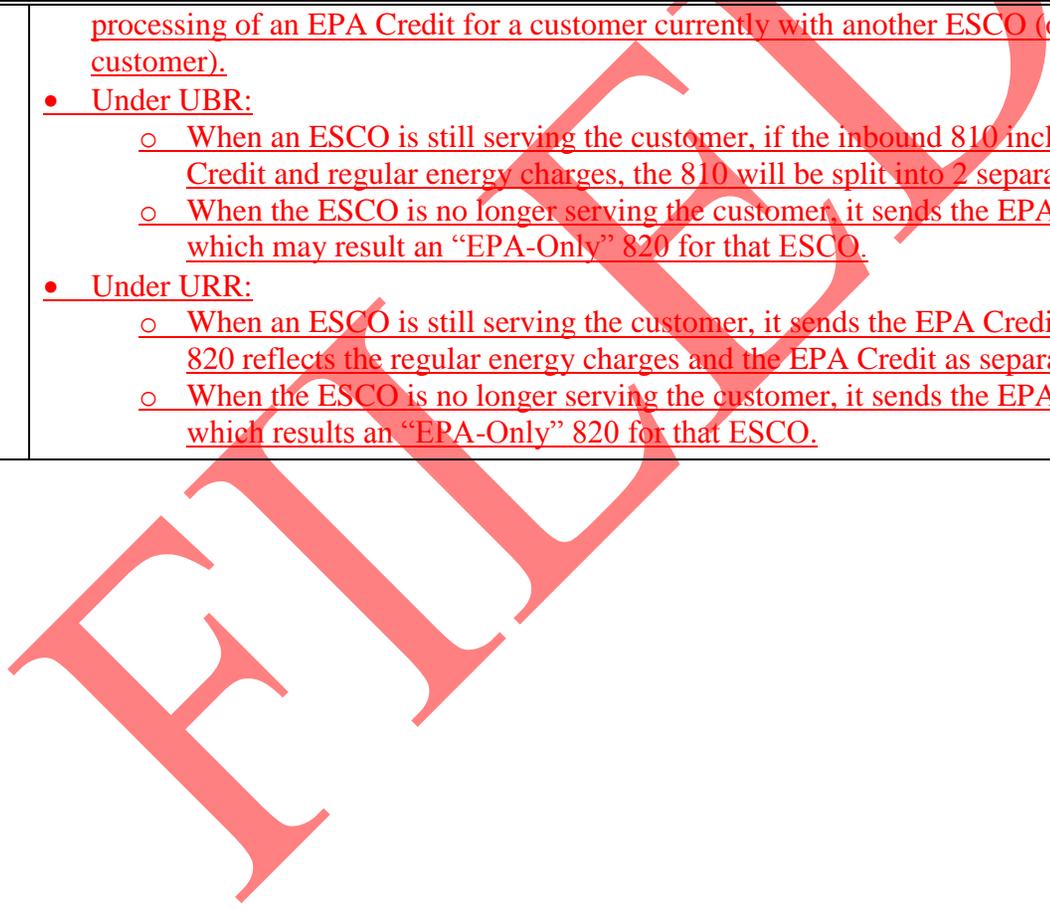
<p><b>PROCESS NUMBER:</b></p>	<p><i>RAU 2.0</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i></p>
	<p>c) All Bill Options (including Bill Ready) - Customer no longer active with ESCO</p> <ul style="list-style-type: none"> <li>• Utility includes credit on the next bill to the customer.</li> <li>• Utility sends 820 to the ESCO with GR code.</li> </ul> <p>Otherwise, this response is not applicable to receipt of an 820 Remittance Advice</p> <p><b>Negative Response:</b> The sender of the Advice may be notified of errors in a Remittance transaction via an 824 Application Advice transaction or may be contacted directly through other means. A negative response may pertain to payment information for an individual customer account in the Remittance transaction or to the entire Remittance transaction.</p> <p><b>Negative Responses At Individual Customer Account Level:</b></p> <ul style="list-style-type: none"> <li>• Account Number Not Valid (A76)</li> <li>• Account Does Not Have Service Requested (A91)</li> </ul> <p><b>Negative Responses At Individual Customer Account Level (cont.):</b></p> <ul style="list-style-type: none"> <li>• Invalid Relationship (A84)</li> <li>• Invoice Number Invalid or Missing (I76)</li> </ul> <p><b>Negative Responses At Transaction Level:</b></p> <ul style="list-style-type: none"> <li>• Duplicate Remittance (ABN)</li> <li>• ID # (Payer or Payee) Invalid or Missing (D76)</li> <li>• Sum of Individual Payments Not Equal to Transaction Total (SUM)</li> <li>• Invalid Relationship (A84)</li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b>PROCESS NUMBER:</b>	<i>RAU 2.0</i>
<b>PROCESS NAME:</b>	<i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i>
	<ul style="list-style-type: none"> <li>• Total Charges Negative (TCN)</li> <li>• Other (A13)</li> </ul>
<b>SUB OR PRECEDING PROCESSES:</b>	See parent.
<b>PROCESS RULES:</b>	<p>[CWG] This transaction will be used to reverse a customer payment previously sent, to reverse or adjust funds transmitted to purchase an ESCO customer receivable, or to adjust items previously transmitted by the billing party that pertain to amounts owed by (or to be credited to) the ESCO for fees due to, or services performed by, the billing party such as billing services, balancing charges, late fees, etc.</p> <p>[CWG] The adjustment reason code for all adjustments associated with a master account number should be CS (Adjustment).</p> <p>[CWG] The adjustment reason code for all adjustments associated with <u>APPEPA</u> Credits should be GR (Guarantee).</p> <p>[CWG] The adjustment reason code for adjustments, other than <u>APPEPA</u> Credits, associated with billing party purchase of an ESCO customer receivable that are unrelated to current period charges/credits should be 16 (Non-invoice Related Allowance/Charge).</p>
<b>COMMENTS:</b>	<ul style="list-style-type: none"> <li>• <u>At a high level, EPA Credits are a reversal of an amount that was previously billed and paid to the ESCO. Since EPA Credits can be adjusted, depending upon whether the adjustment increases or decreases the total amount to be credit, it is either a supplemental reversal or a “partial reversal of a reversal”.</u></li> <li>• <u>A typical combined bill consists of utility delivery charges and the service charges for one ESCO. Bills containing EPA Credits are potentially atypical because they may contain charges and credits from more than one ESCO. As a result, an ESCO may receive an 820 transaction that reflect</u></li> </ul>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<p><b>PROCESS NUMBER:</b></p>	<p><i>RAU 2.0</i></p>
<p><b>PROCESS NAME:</b></p>	<p><i>UTILITY PROCESSES REVERSAL OF PAYMENTS USING 820 REMITTANCE ADVICE</i></p>
	<p><u>processing of an EPA Credit for a customer currently with another ESCO (or a utility full service customer).</u></p> <ul style="list-style-type: none"> <li>• <u>Under UBR:</u> <ul style="list-style-type: none"> <li>○ <u>When an ESCO is still serving the customer, if the inbound 810 includes both the EPA Credit and regular energy charges, the 810 will be split into 2 separate pieces for the 820.</u></li> <li>○ <u>When the ESCO is no longer serving the customer, it sends the EPA Credit in on an 814C which may result an “EPA-Only” 820 for that ESCO.</u></li> </ul> </li> <li>• <u>Under URR:</u> <ul style="list-style-type: none"> <li>○ <u>When an ESCO is still serving the customer, it sends the EPA Credit in on an 814C. The 820 reflects the regular energy charges and the EPA Credit as separate pieces for the 820.</u></li> <li>○ <u>When the ESCO is no longer serving the customer, it sends the EPA Credit in on an 814C which results an “EPA-Only” 820 for that ESCO.</u></li> </ul> </li> </ul>



**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b><u>PROCESS NUMBER:</u></b>	<b><u>RAU 3.0</u></b>		
<b><u>PROCESS NAME:</u></b>	<b><u>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS</u></b> <b><u>A. EPA CREDIT RECEIVED FROM CURRENT ESCO</u></b>		
<b><u>CURRENT ESCO BILLING STATUS</u></b>	<b><u>DESCRIPTION/SPECIAL CIRCUMSTANCES</u></b>	<b><u>CREDIT FUNDED</u></b>	<b><u>ACTION</u></b>
<b><u>UCB</u></b>	<u>None [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill.</u>
<b><u>UCB</u></b>	<u>None [Default Response]</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit.</u>
<b><u>ECB</u></b>	<u>None [Default Response]</u>	<u>N/A</u>	<u>Reject credit; instruct ESCO to provide credit directly to customer.</u>
<b><u>ECB</u></b>	<u>Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility sends check to customer.</u>
<b><u>ECB</u></b>	<u>Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit.</u>
<b><u>DUAL</u></b>	<u>None [Default Response]</u>	<u>N/A</u>	<u>Reject credit; instruct ESCO to provide credit directly to customer.</u>
<b><u>DUAL</u></b>	<u>Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill; provide bill message to identify ESCO is providing the credit.</u>
<b><u>DUAL</u></b>	<u>Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit.</u>
<b><u>UCB</u></b>	<u>ESCO billed customer directly for Commodity (Dual or ECB) but is now utilizing UCB</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill.</u>
<b><u>UCB</u></b>	<u>ESCO billed customer directly for Commodity (Dual or ECB) but is now utilizing UCB</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit.</u>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b><u>PROCESS NUMBER:</u></b>	<b><u>RAU 3.0</u></b>		
<b><u>PROCESS NAME:</u></b>	<b><u>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS</u></b> <b><u>B. EPA CREDIT RECEIVED FROM PREVIOUS ESCO</u></b>		
<b><u>CURRENT ESCO BILLING STATUS</u></b>	<b><u>PREVIOUS ESCO BILLING STATUS</u></b>	<b><u>CREDIT FUNDED</u></b>	<b><u>ACTION</u></b>
<b><u>ECB</u></b>	<u>UCB, Dual or ECB [Default Response]</u>	<u>N/A</u>	<u>Reject credit; ESCO must provide the credit directly to the customer</u>
<b><u>ECB</u></b>	<u>UCB, Dual or ECB - Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility sends check to customer</u>
<b><u>ECB</u></b>	<u>UCB, Dual or ECB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill; previous ESCO distinguished from current supplier</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>Dual or ECB [Default Response]</u>	<u>N/A</u>	<u>Reject credit; instruct ESCO to provide credit directly to customer</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>Dual or ECB - Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill; previous ESCO distinguished from current supplier</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>Dual or ECB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit on next customer delivery bill; previous ESCO distinguished from current supplier</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit</u>
<b><u>DUAL</u></b>	<u>Dual or ECB - Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility puts credit on next customer bill; previous ESCO distinguished from current supplier</u>
<b><u>DUAL</u></b>	<u>Dual or ECB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject Credit; instruct ESCO to fund credit and resubmit</u>

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b><u>PROCESS NUMBER:</u></b>	<b><u>RAU 3.0</u></b>		
<b><u>PROCESS NAME:</u></b>	<b><u>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS</u></b> <b><u>C. EPA CREDIT ADJUSTMENT FROM PREVIOUS ESCO (INCREASE CREDIT)</u></b>		
<b><u>CURRENT ESCO BILLING STATUS</u></b>	<b><u>PREVIOUS ESCO BILLING STATUS</u></b>	<b><u>CREDIT FUNDED</u></b>	<b><u>ACTION</u></b>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier.</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject credit adjustment; instruct ESCO to fund credit and resubmit.</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit adjustment on next customer delivery bill; previous ESCO distinguished from current supplier.</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject credit adjustment; instruct ESCO to fund credit and resubmit.</u>
<b><u>ECB</u></b>	<u>UCB [Default Response]</u>	<u>N/A</u>	<u>Reject credit adjustment; ESCO must provide the credit directly to the customer.</u>
<b><u>ECB</u></b>	<u>UCB - Utility Option in response to ESCO request.</u>	<u>Yes</u>	<u>Utility sends check to customer.</u>
<b><u>ECB</u></b>	<u>UCB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Reject credit adjustment; instruct ESCO to fund credit and resubmit.</u>

Continuity with the means by which the credit was previously issued is important; to the extent the same bill credit process can be maintained, it should be. For example, if the utility issued the credit, it should issue the credit adjustment unless it cannot because the customer billing relationship has terminated; if the ESCO issued the credit, it should issue the credit adjustment.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

<b><u>PROCESS NUMBER:</u></b>	<b><u>RAU 3.0</u></b>		
<b><u>PROCESS NAME:</u></b>	<b><u>ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS D. EPA CREDIT ADJUSTMENT FROM PREVIOUS ESCO (INCREASE CREDIT)</u></b>		
<b><u>CURRENT ESCO BILLING STATUS</u></b>	<b><u>PREVIOUS ESCO BILLING STATUS</u></b>	<b><u>CREDIT FUNDED</u></b>	<b><u>ACTION</u></b>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; adjust POR balance.</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject credit adjustment; instruct ESCO to bill customer directly.</u>
<b><u>UCB/ FULL SERVICE</u></b>	<u>UCB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; pay ESCO when Utility gets paid.</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>Yes</u>	<u>Utility puts credit adjustment on next customer delivery bill; previous ESCO distinguished from current supplier; adjust POR balance.</u>
<b><u>DUAL</u></b>	<u>UCB [Default Response]</u>	<u>No</u>	<u>Reject credit adjustment; instruct ESCO to bill customer directly.</u>
<b><u>DUAL</u></b>	<u>UCB - Utility Option in response to ESCO request.</u>	<u>No</u>	<u>Utility puts credit adjustment on next customer bill; previous ESCO distinguished from current supplier; pay ESCO when Utility gets paid.</u>
<b><u>ECB</u></b>	<u>UCB [Default Response]</u>	<u>N/A</u>	<u>Reject credit adjustment; ESCO must bill customer directly.</u>

Continuity with the means by which the credit was previously issued is important; to the extent the same bill credit process can be maintained, it should be. For example, if the utility issued the credit, it should issue the credit adjustment unless it cannot because the customer billing relationship has terminated; if the ESCO issued the credit, it should issue the credit adjustment.

**REMITTANCE ADVICE BUSINESS PROCESSES  
UTILITY CONSOLIDATED BILLING MODELS**

**PROCESS NUMBER: RAU 3.0**                      **ESCO PRICING ADJUSTMENT CREDIT - BILL CREDIT SCENARIOS**

Notes:

1. The general rule is for credit bill processing responsibility is that the party who issues the commodity bill is responsible for providing the bill credit to the customer. When the utility cannot fulfill that role, responsibility to provide the credit to the customer falls to the ESCO.
2. While the general presumption has been that the Utility would fund the credits by offsetting the credit amount from the POR payment to the ESCO, as a general matter the Utility and ESCO may mutually agree to other means, e.g. invoicing, wire transfers, etc. to fund the credit on customer bills issued by the utility.
3. If the ESCO cannot fund the credit, that funding becomes a ESCO Performance Guarantee matter.