

# New York Implementation Standard

For  
**Sandard Electronic  
Transactions**

TRANSACTION SET

## **820 Remittance Advice** Utility Consolidated Billing Models

**Ver/Rel 004010**

820 Remittance - Utility Consolidated Billing Models

	<b>Summary of Changes</b>
July 31, 2002	Initial Release
May 17, 2006	Version 2.0
	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).

820 Remittance - Utility Consolidated Billing Models

	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*1K 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>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/Marketer 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/Marketer 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/Marketer 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/Marketer 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 E/M (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>

820 Remittance - Utility Consolidated Billing Models

	<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> </ul> </li> </ul>



820 Remittance - Utility Consolidated Billing Models

	<p>In Example 2, the DUNS number is 007909127 and the unique number is 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> </ul>

820 Remittance - Utility Consolidated Billing Models

	<ul style="list-style-type: none"> <li>• In some instances (see Notes regarding negative remittances above), the 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.</li> </ul>
<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/Marketer 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/Marketer or E/M) (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/Marketer)	O	1		
8	060	DTM	Date/Time Reference (Transaction Creation Date)	O	1		
						1	
9	070	N1	Name (Payer)	O	1		
						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>
						1	
11	010	ENT	Entity	O	1		n1
						>1	
12	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		
17	160	NTE	Note/Special Instruction (Customer Name)	O	1		
18	170	REF	Reference Identification (ESCO/Marketer Customer Account Number)	O	1		
19	170	REF	Reference Identification (Previous Utility Account Number)	O	1		
20	170	REF	Reference Identification (Cross Reference Number)	O	1		
21	170	REF	Reference Identification (Invoice Number)	O	1		
22	170	REF	Reference Identification (Commodity)	O	1		
23	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>
24	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**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
<b>Mand.</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
			820 Payment Order/Remittance Advice	
<b>Mand.</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			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.

NY820 Payment Order/Remittance Advice - Utility Consolidated Billing

**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.

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

**Segment:** **REF** Reference Identification (Utility Account Number for the ESCO/Marketer)  
**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/Marketer.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned account number for the ESCO/Marketer	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.</u> <u>Des.</u>	<u>Data</u> <u>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**

	<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> PE Payee Receiver of the payment/remittance advice	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> 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.	<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:** **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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
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).

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

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Reference Identification Qualifier</u>	<u>X ID 2/3</u>
Must Use	RMR01	128	
		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.

<b>Must Use</b>	<b>RMR02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			<p>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).</p> <p>When RMR01 = 14, this element will contain either the Utility assigned account number for the ESCO/Marketer (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</p> <p>9999900000 = fees for consolidated billing services            9999900001 = collection activity fees            9999900002 = gas balancing charges, etc.</p> <p>When RMR01=14 the adjustment is NOT associated with a specific customer account.</p> <p>The REF*QY may be used to designate whether a payment, purchased receivable or adjustment pertains to electric, gas or both commodities.</p>	
<b>Must Use</b>	<b>RMR03</b>	<b>482</b>	<b>Payment Action Code</b>	<b>O ID 2/2</b>
			<p>When RMR01 = 14, RMR03 must contain 'AJ' and the code 'CS' must be used in RMR07.</p> <p>When RMR01 = 12, RMR03 may contain either AJ, PO or PR</p>	
			<p><b>AJ</b> Adjustment</p> <p>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.</p>	
			<p><b>PO</b> Payment on Account</p> <p>Customer Payment (Pay-As-You-Get-Paid Only)</p>	
			<p><b>PR</b> Progress Payment</p> <p>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.</p> <p>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.</p>	

**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). 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); otherwise this element is not used.

The amount in RMR05 is the total amount (debit or credit) billed to the customer for E/M 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\*6O for the customer account indicated in RMR02.

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); otherwise this element is not used. RMR06 contains the amount of the discount applied to the current period invoiced amount (sent in RMR05) and must be preceded by a minus sign (-) unless it is zero. RMR05 plus RMR06 should equal the amount sent in RMR04. Where there is no discount, RMR06 should contain 00.0.

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).
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

<b>Cond.</b>	<b>RMR08</b>	<b>782</b>	<b>Monetary Amount</b>	<b>X R 1/18</b>
			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.	

**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>	<b>NTE01</b>	<b>363</b>	<b>Note Reference Code</b> CCG Customer Description NTE02 is the customer name	<b>O ID 3/3</b>
<b>Mand.</b>	<b>NTE02</b>	<b>352</b>	<b>Description</b> Customer Name	<b>M AN 1/80</b>

**Segment:** **REF** Reference Identification (ESCO/Marketer 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/Marketer (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>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			11 Account Number	
			REF02 is the ESCO/Marketer assigned account number for the customer.	
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b>	<b>X AN 1/30</b>
			ESCO/Marketer's assigned account number for the customer.	

**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).  
 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>
<b>Mand.</b>	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> 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).	<b>M ID 2/3</b>
<b>Must Use</b>	<b>REF02</b>	<b>127</b>	<b>Reference Identification</b> Previous utility assigned customer account number. Current utility assigned account number for the customer must be sent in RMR02 when RMR01=12.	<b>X AN 1/30</b>

**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.

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

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 6O Cross Reference Number	M ID 2/3
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.

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 E/M 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
			REF02 is the commodity associated with the customer account sent in RMR02.	
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	C AN 1/80
			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.	
			U Un-Metered Service	

**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.

DTM~809~20060119

**Data Element Summary**

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

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
Mand.	SE01	96	Number of Included Segments	M NO 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 E/M
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*E/M 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!	E/M 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!	E/M 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 E/M
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*E/M 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!	E/M 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!	E/M 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!	E/M 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 E/M
DTM*097*20060501!	Transaction Creation Date
N1*PR*UTILITY NAME*1*006293048!	Payer Name and DUNS number
N1*PE*E/M 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 E/M; <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 E/M; <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*E/M 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*E/M NAME*9*006821111NY01!	E/M 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*E/M 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*E/M NAME*9*006821111NY01!	E/M 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*E/M NAME*9*006821111NY01!	E/M 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