New York Implementation Standard

For

Standard **E**lectronic **T**ransactions

TRANSACTION SET

820 Remittance Advice

Utility Consolidated Billing Models

Ver/Rel 004010

April 30, 2018
Version 2.3

	Summary of Changes
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).

		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).
July 24, 2015		**Version 2.1**
		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.

June 30, 2016	Version 2.2
	• Existing references to APP Credits are changed to EPA (ESCO Pricing Adjustment) Credits; the APP Credit is one type of an EPA Credit.
	• Modifications made to clarify signage for EPA Credits and adjustments to EPA Credits, which are real numbers.
	• Updates to gray box notes for REF*IK and REF*6O indicating when they should not be sent.
	• Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment.
	• Added example transactions.
April 30, 2018	Version 2.3
	• Modifications to reflect Guaranteed Savings Program (GSP) Credits, which are a type of EPA Credits, are added

		Notes pertaining to the use of this document
Purpose		• 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. • 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. • 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. • 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. • This guideline is presented from the perspective of the sender initiating the payment remittance advice.
Multiple accounts/ commodities per 820		• 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.
Validation Field		• Transactions will be validated based on the customer's utility account number (with check digit, if included).
RMR Loop		• 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. • 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. • The RMR Loop contains a single RMR segment. • 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: ➢ The customers utility account number (RMR01=12), ➢ The utility assigned account number for the ESCO (RMR01=14), or ➢ 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.

		• 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.

Remittance Advice Must Match Payment Amount Or Negative Remittance		• 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.
		
		• 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:
		  ➢ (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;
		  ➢ (B) sending a Remittance Advice where BPR02 is "zero" but the sum of the detail amounts is a negative number; or
		  ➢ (C) sending a Remittance Advice where BPR02 is a negative number when the detail amounts is a negative number.

Re-association Trace Number		• 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. **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**. 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:
		  ➢ 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).
		  ➢ 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.
		  ➢ 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

		➢ CTX (Corporate Trading Exchange) – Payment instructions and all Remittance Advice information travel together via bank. The Re-association Trace Number shall be included in the same segment as shown in this implementation guide. ➢ Check – A physical check may be sent, and must include the re-association trace number on the check stub.
Formatting the Addenda Record for ACH and OBI Field for Wire		• The following acronyms are used in this explanation: ➢ OBI – Originator to Beneficiary Information ➢ ACH – Automated Clearing House ➢ GISB – Gas Industry Standard's Board Electronic Delivery Mechanism • The addenda record and OBI Field provides information to assist the Payee in reconciling the payment with the Remittance advice when they are transmitted via separate methods (e.g., payment via bank and remittance advice via GISB).

Formatting the Addenda Record for ACH and OBI Field for Wire (Continued)		• The standard format for the Trace Number for New York will be as follows:
		 ➢ Field 1: Positions 1 through 2 reserved for the characters CP which stand for Consolidated Payment.
		 ➢ Field 2: Positions 3 through 15 reserved for Federal Tax ID number, DUNS number, or DUNS+4 number (as agreed to in the Billing Services Agreement). Note that for Federal Tax ID and DUNS number, the remaining positions 12-15 must be populated with spaces.
		 ➢ Field 3: Positions 16 through 30 reserved for a unique reference number.
		 ➢ Please note that a Payer is not required to provide the entire 30 characters, nor is it required to pad the field with spaces when all 30 characters are not provided. Payers may use up to 15 characters in positions 16 – 30 to uniquely identify this payment/remittance.
		 • This number must be included in the TRN02 of the Remittance and the appropriate reference on the payment: Addenda Record (for ACH); the OBI Field (for wire transfer); or printed on the stub for a check.
		 • Examples for creating the Addenda Record for ACH and OBI field for Wire Transfer. (Note the segments identified in the explanation below)
		
		 ``
		                    1111111111222222222 23
		          123456789012345678901234567890
		
		 Ex 1: CP123456789 200207190001
		 Ex 2: CP007909127 200207190001
		 Ex 3: CP007909127ABCD200207190001
		 ``
		
		 In Example 1, the Fed ID Number is 123456789 and the unique number is 200207190001.

		In Example 2, the DUNS number is 007909127 and the unique number is 200207190001. 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)
Rejection		• 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. • 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). • 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). • 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.
Data Element Attributes		• 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.

		• 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.
Timing of the transactions		• As noted in the Business Process Document, **the funds transfer and the remittance advice must be generated on the same business day.** 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.
Definitions		• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e., the entity providing regulated bundled 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: ➢ The Utility as Payer (LDC) (Code PR) ➢ The Supplier as Payee (ESCO) (Code PE).
Companion Documents		• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the following documents should be reviewed where further clarification is necessary: ➢ *Remittance Advice Business Process Document* ➢ *Utility Bill Ready Business Process Document* ➢ *Utility Rate Ready Business Process Document* ➢ *810 Invoice Implementation Guides for Utility Consolidated Billing* ➢ *824 Application Advice Implementation Guide* • Further information regarding the processing of EDI transactions may be found in the *Technical Operating Profile for Electronic Data Interchange in New York.*

Implementation Guideline Field Descriptions

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.

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 displays the NY Rules for implementation of this segment.

...count number assigned to the customer is used for ... must be present on all transactions.

One or more examples.

...1231287654398

Data Element Summary

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

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

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

These columns show the X12 attributes for each data element:

M = Mandatory
O = Optional
X = Conditional

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

1/30 = Minimum 1, Maximum 30

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:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	1		
4	020	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:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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

	Ref. Des.	Data Element	Name	Attributes
Mand.	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			820 Payment Order/Remittance Advice	
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

	Ref. Des.	Data Element	Name	Attributes
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.

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

	Ref. Des.	Data Element	Name		Attributes
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

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

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	

Required

DTM~097~20060521

Data Element Summary

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

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			PR	Payer	
			Initiator of the payment/remittance advice		
Optional	**N102**	**93**	**Name**	**X**	**AN 1/60**
			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.		
Must Use	**N103**	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
			1	D-U-N-S Number, Dun & Bradstreet	
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			24	Employer's Identification Number	
			Federal Tax ID		
Must Use	**N104**	**67**	**Identification Code**	**X**	**AN 2/80**
			The D-U-N-S number or the Federal Tax ID		

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**		M	ID 2/3
			PE	Payee		
				Receiver of the payment/remittance advice		
Optional	N102	93	**Name**		X	AN 1/60
			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.			
Must Use	N103	66	**Identification Code Qualifier**		X	ID 1/2
			1	D-U-N-S Number, Dun & Bradstreet		
			9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
			24	Employer's Identification Number		
				Federal Tax ID		
Must Use	N104	67	**Identification Code**		X	AN 2/80
			The D-U-N-S number or the Federal Tax ID			

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		

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 Guaranteed Savings Program (GSP) Credits, which a type of ESCO Pricing Adjustment (EPA), provided to Assistance Program Participant (APP) customers should state such in its Utility Maintained EDI Guide. Note that GSP Credits are real numbers and signed negatively. Adjustments to GSP Credits that reduce a previously issued GSP 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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	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 GSP 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 GSP 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 a GSP Credit (RMR03=AJ and RMR07=GR).

Unless the remittance is for an adjustment pertaining to a GSP 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*6O for the customer account indicated in RMR02.

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

equal the amount sent in on the AMT segment when the GSP 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 a GSP Credit (RMR03=AJ and RMR07=GR).

RMR06 contains the amount of the discount applied to the current period invoiced amount or the GSP 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 by 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 RMR01are 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 |
| | | Guaranteed Savings Program 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.

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

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

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

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

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

	Ref. Des.	Data Element	Name	Attributes
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).

	Ref. Des.	Data Element	Name	Attributes
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	

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

	Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			IK Invoice Number		
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	

Notes content:

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

	Ref. Des.	Data Element	Name	Attributes	
Mand.	REF01	128	Reference Identification Qualifier	M	ID 2/3
			QY Service Performed Code		
			REF02 is the commodity associated with the customer account sent in RMR02.		
Must Use	REF02	127	Reference Identification	X	AN 1/30
			BOTH Both Commodities		
			EL Electric Commodity		
			GAS Gas Commodity		
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.
When RMR07=GR this segment is Not Used.

DTM~809~20060119

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Mand.	DTM01	374	**Date/Time Qualifier**	M	ID 3/3
			809 Posted		
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

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

EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for <u>TS820 Remittance Advice</u>, 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 *820*; control number assigned by originator
BPR*I*74.99*C*FWT***********20060503!	Transaction is a *Remittance Only*; Total Amount that will be paid; *Credit*; Method is *Federal Wire Transfer*; 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; *Payment on Account Indicator*
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; *Adjustment Indicator*
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 **820**; control number assigned by originator
BPR*I*2.79*C*FWT************20060503!	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Wire Transfer**; 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; **Progress Payment Indicator;** Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*11*526894GS!	ESCO assigned account number for the customer
REF*6O*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; **Adjustment Indicator;** Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*11*900987654!	ESCO assigned account number for the customer
REF*6O*8673120850!	Cross Reference Number
REF*IK*IN200604150001546!	Invoice Number
REF*QY*EL*U!	Commodity; Amount Pertains to the **Un-metered Service on the Account**
RMR*12*94873841*AJ*-30.00***16*-30.00!	Utility Account Number; **Adjustment Indicator;** Amount; Adjustment Reason Code; Adjustment Amount
NTE*CCG*JOE JONES!	Customer Name
REF*11*624978310!	ESCO assigned account number for the customer
REF*6O*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 **820**; control number assigned by originator
BPR*I*1784.70*C*FWT***********20060503!	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Wire Transfer**; 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; **Adjustment Indicator;** Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*EL!	Commodity
RMR*14*999002*AJ*-10128.31***CS*-1012.31!	Utility Account Number for ESCO; **Adjustment Indicator;** Amount; Adjustment Reason Code; Adjustment Amount
REF*QY*GAS!	Commodity
RMR*12*99873110*AJ*-25.00***26*-25.00!	Utility Account Number; Amount; **Adjustment Indicator;** Adjustment Reason Code; Adjustment Amount
NTE*CCG*MARY JONES!	Customer Name
REF*6O*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; **Progress Payment Indicator;** Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*JOE SMITH!	Customer Name
REF*6O*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; **Progress Payment Indicator;** Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*FLORA'S FLOWERS!	Customer Name
REF*6O*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; **Progress Payment Indicator;** Amount of Remittance; Invoiced Amount; Discount Amount
NTE*CCG*WENT LAUNDROMAT!	Customer Name
REF*6O*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 **820**; control number assigned by originator
BPR*I*50*C*FWT***********20060503!	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Wire Transfer**; 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; **Payment on Account Indicator**
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; **Adjustment Indicator**
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 **824**; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a **Response**; Unique transaction identification number; Transaction date; Invoice number; **Follow Up** 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 **Reject**; reference number from original transaction; original transaction was an **820**
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 *820*; control number assigned by originator
BPR*I*177.38*C*FWT***********20060503!	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Wire Transfer**; 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; **Payment on Account** 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; **Adjustment** Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*45648981*PO*23.48!	Utility Account Number; Amount; **Payment on Account** Indicator
DTM*809*20060429!	Date funds were received and posted to Payer's system
RMR*12*12345678*PO*78.91!	Utility Account Number; Amount; **Payment on Account** 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 *824*; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a **Response**; Unique transaction identification number; Transaction date; Invoice number; **Follow Up** 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 **Partial Reject**; reference number from original transaction; original transaction was an *820*
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 **824**; control number assigned by originator
BGN*11*3920394930203*20060503*****82!	Transaction is a **Response**; Unique transaction identification number; Transaction date; Invoice number; **Follow Up** 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 **Partial Reject**; reference number from original transaction; original transaction was an **820**
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 6 – GSP 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 – GSP Credit and Overpayment Process
820 Transaction - Remittance Example with Credit Only

ST*820*000000001	Transaction Set header; transaction defined is an **820**; control number assigned by originator
BPR*I*24.67*C*FEW************20160525	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Reserve Funds/Wire Transfer - Repetitive**; 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; **Adjustment Indicator**
NTE*CCG*CUSTOMER NAME	Customer Name
REF*QY*EL	Commodity
SE*12*000000001	Transaction Set trailer; segment count; control number

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

ST*820*000000001	Transaction Set header; transaction defined is an **820**; control number assigned by originator
BPR*I*40.57*C*FEW************20160525	Transaction is a **Remittance Only**; Total Amount that will be paid; **Credit**; Method is **Federal Reserve Funds/Wire Transfer - Repetitive**; 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; **Adjustment Indicator**
NTE*CCG*CUSTOMER NAME	Customer Name
REF*QY*EL	Commodity
RMR*12*1111111111*PR*89.92*91.11*-1.19	Utility Account Number; Amount; **Progress Payment Indicator – POR**
NTE*CCG*CUSTOMER NAME	Customer Name
REF*6O*U0000000000001006766	Cross Reference Number
REF*IK*B0000000000000002674	Invoice Number
REF*QY*EL	Commodity
SE*17*000000001	Transaction Set trailer; segment count; control number