

New York Implementation Standard

For

Standard Electronic Transactions

TRANSACTION SET

820 Remittance Advice

Utility Consolidated Billing Models

Ver/Rel 004010

| | 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). |

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| | The element note for RMR07 was revised to clarify its use when RMR01=14 (Master Account Number). |
| | New codes were added to the RMR07 code list. Code '16' is used to designate that the adjustment pertains to prior period purchase of a customer receivable. Code '55' is used for adjustments related to taxes unpaid by the customer. Code 'D6' is used to charge back "lesser than amounts" arising from payment to effect a reconnection of service (residential customers subject to HEFPA) that cannot be collected by the billing party. |
| | A note was added to code CS in RMR07 code list to indicate that this code must be used when RMR01=14 (Master Account Number). |
| | The segment notes for the NTE*CCG (Customer Name), REF*6O (Cross Reference Number), and REF*IK (Invoice Number) are revised to clarify the use of each segment when RMR01=14 or RMR01=12 and RMR03=PR: In addition, the usage attribute for the REF* IK 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. |

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

DRAFT

| | Notes pertaining to the use of this document |
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| Purpose | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Transactions will be validated based on the customer's utility account number (with check digit, if included). |
| RMR Loop | <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ➢ 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. |

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| | <ul style="list-style-type: none"> 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. |
| <p>Remittance Advice Must Match Payment Amount Or Negative Remittance</p> | <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> ➤ (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. |
| <p>Re-association Trace Number</p> | <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> ➤ 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 |

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| | <p>200207190001.</p> <p>In Example 3, the DUNS+4 number is 007909127ABCD and the unique number is 200207190001. (The +4 in positions 12-15 can be alpha or numeric)</p> |
| <p>Rejection</p> | <ul style="list-style-type: none"> • 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. |
| <p>Data Element Attributes</p> | <ul style="list-style-type: none"> • 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 |

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| | <p>amount sent in BPR02 will be a negative number. Even though BPR02 is a real number, a minus sign should not be used in that element to indicate the character of the amount. Instead, the codes sent in BPR03 will be used to indicate the character of the amount sent in the BPR02 element.</p> |
| <p>Timing of the transactions</p> | <ul style="list-style-type: none"> 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. |
| <p>Definitions</p> | <ul style="list-style-type: none"> The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e., the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either a gas or electric supplier. The principal parties involved in this 820 Transaction Set implementation guide are: <ul style="list-style-type: none"> ➤ The Utility as Payer (LDC) (Code PR) ➤ The Supplier as Payee (ESCO) (Code PE). |
| <p>Companion Documents</p> | <ul style="list-style-type: none"> All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the following documents should be reviewed where further clarification is necessary: <ul style="list-style-type: none"> ➤ <i>Remittance Advice Business Process Document</i> ➤ <i>Utility Bill Ready Business Process Document</i> ➤ <i>Utility Rate Ready Business Process Document</i> ➤ <i>810 Invoice Implementation Guides for Utility Consolidated Billing</i> ➤ <i>824 Application Advice Implementation Guide</i> 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>. |

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:
Notes: Required

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.

The Utility account number assigned to the customer is used for validation and must be present on all transactions.
 REF~12~011231287654398

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

One or more examples.

Data Element Summary

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

This column documents differences between X12 and NY use for each data element:
 Mand. (Mandatory) – Required by X12
 Must Use – Required by NY
 Cond. (Conditional)
 Optional

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

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

 1/30 = Minimum 1, Maximum 30

820 Payment Order/Remittance Advice

Functional Group ID=**RA**

Introduction:

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

Heading:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|--|------------------|----------------|--------------------|---------------------------|
| 3 | 010 | ST | Transaction Set Header | M | 1 | | |
| 4 | 020 | BPR | Beginning Segment for Payment Order/Remittance Advice | M | 1 | | |
| 6 | 035 | TRN | Trace | O | 1 | | |
| 7 | 050 | REF | Reference Identification (Utility Account Number for the ESCO) | O | 1 | | |
| 8 | 060 | DTM | Date/Time Reference (Transaction Creation Date) | O | 1 | | |
| | | | | | | LOOP ID - N1 | 1 |
| 9 | 070 | N1 | Name (Payer) | O | 1 | | |
| | | | | | | LOOP ID - N1 | 1 |
| 10 | 070 | N1 | Name (Payee) | O | 1 | | |

Detail:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|--|------------------|----------------|--------------------|---------------------------|
| | | | | | | LOOP ID - ENT | 1 |
| 11 | 010 | ENT | Entity | O | 1 | | n1 |
| | | | | | | LOOP ID - RMR | >1 |
| 12 | 150 | RMR | Remittance Advice Accounts Receivable Open Item Reference | O | 1 | | |
| 18 | 160 | NTE | Note/Special Instruction (Customer Name) | O | 1 | | |
| 19 | 170 | REF | Reference Identification (ESCO Customer Account Number) | O | 1 | | |
| 20 | 170 | REF | Reference Identification (Previous Utility Account Number) | O | 1 | | |
| 21 | 170 | REF | Reference Identification (Cross Reference Number) | O | 1 | | |
| 22 | 170 | REF | Reference Identification (Invoice Number) | O | 1 | | |
| 23 | 170 | REF | Reference Identification (Commodity) | O | 1 | | |
| 24 | 180 | DTM | Date/Time Reference (Date Posted) | O | 1 | | |

Summary:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| 25 | 010 | SE | Transaction Set Trailer | M | | 1 | |
| E - 1 | | | Examples | | | | |

Transaction Set Notes

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

Transaction Set Comments

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

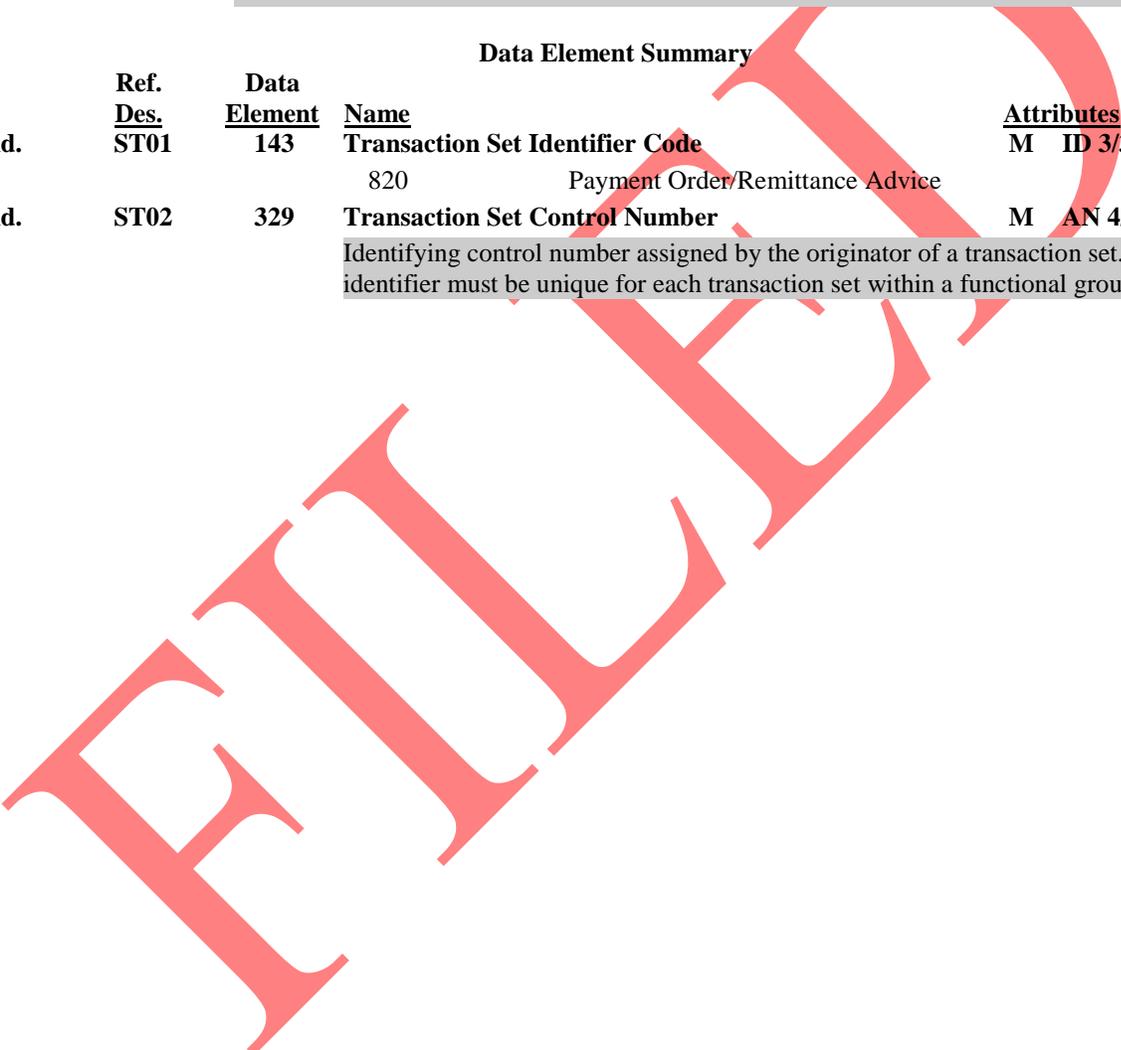


Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Notes: Required
 ST~820~000000001

Data Element Summary

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

Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.



Segment: **BPR** Beginning Segment for Payment Order/Remittance Advice

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

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

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

2 If BPR08 is present, then BPR09 is required.

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

4 If BPR14 is present, then BPR15 is required.

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

6 If BPR20 is present, then BPR21 is required.

Semantic Notes: 1 BPR02 specifies the payment amount.

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

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

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

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

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

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

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

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

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

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

Notes: Required

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

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

Data Element Summary

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

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

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

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

C Credit
D Debit

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

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

Optional BPR16 373 Date O DT 8/8

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

FILLED

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

Notes: Required

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

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

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

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

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

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

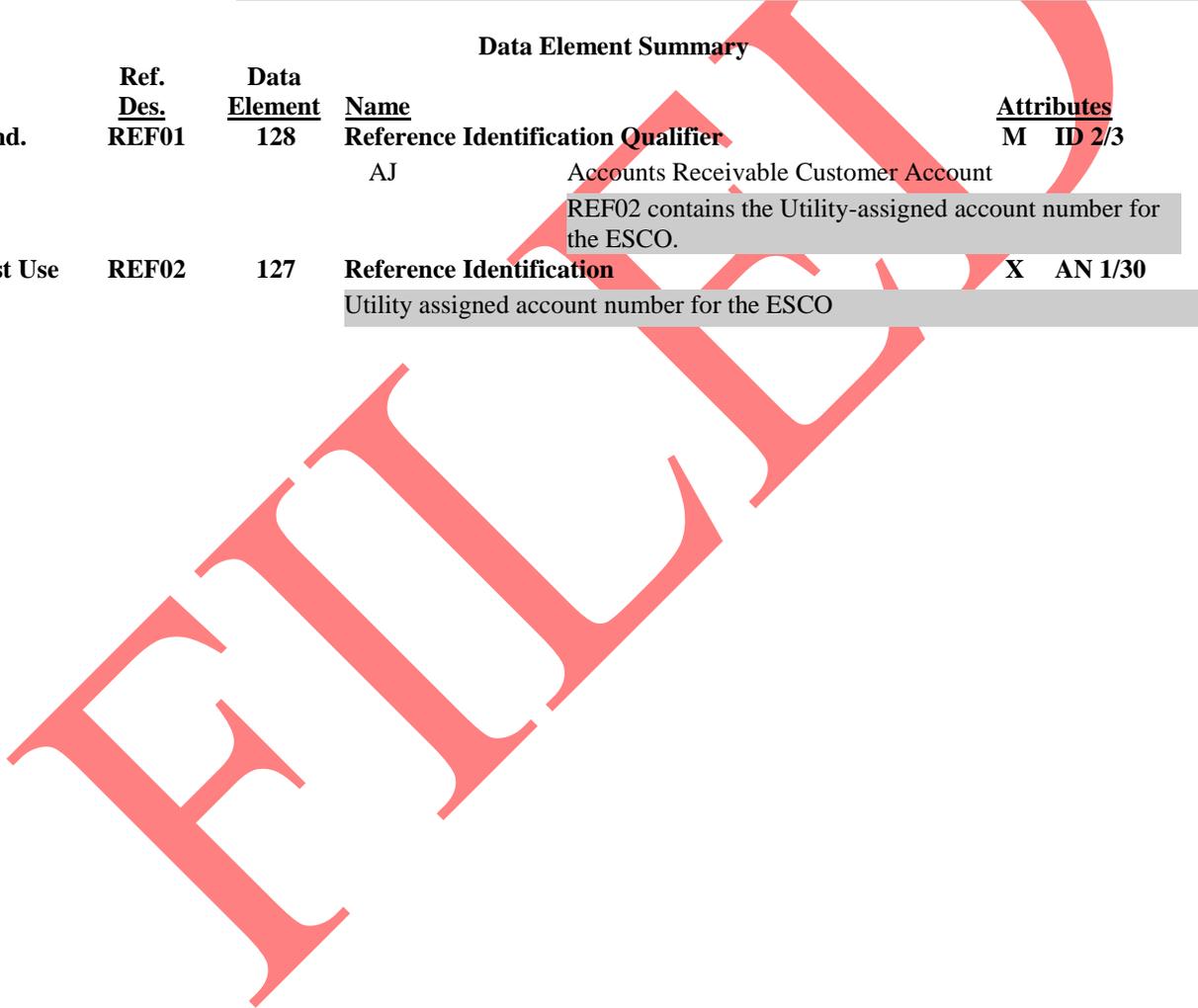
Data Element Summary

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

Segment: **REF** Reference Identification (Utility Account Number for the ESCO)
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:
 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
 1 REF04 contains data relating to the value cited in REF02.
Notes: Optional
 REF~AJ~3134597

Data Element Summary

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



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

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

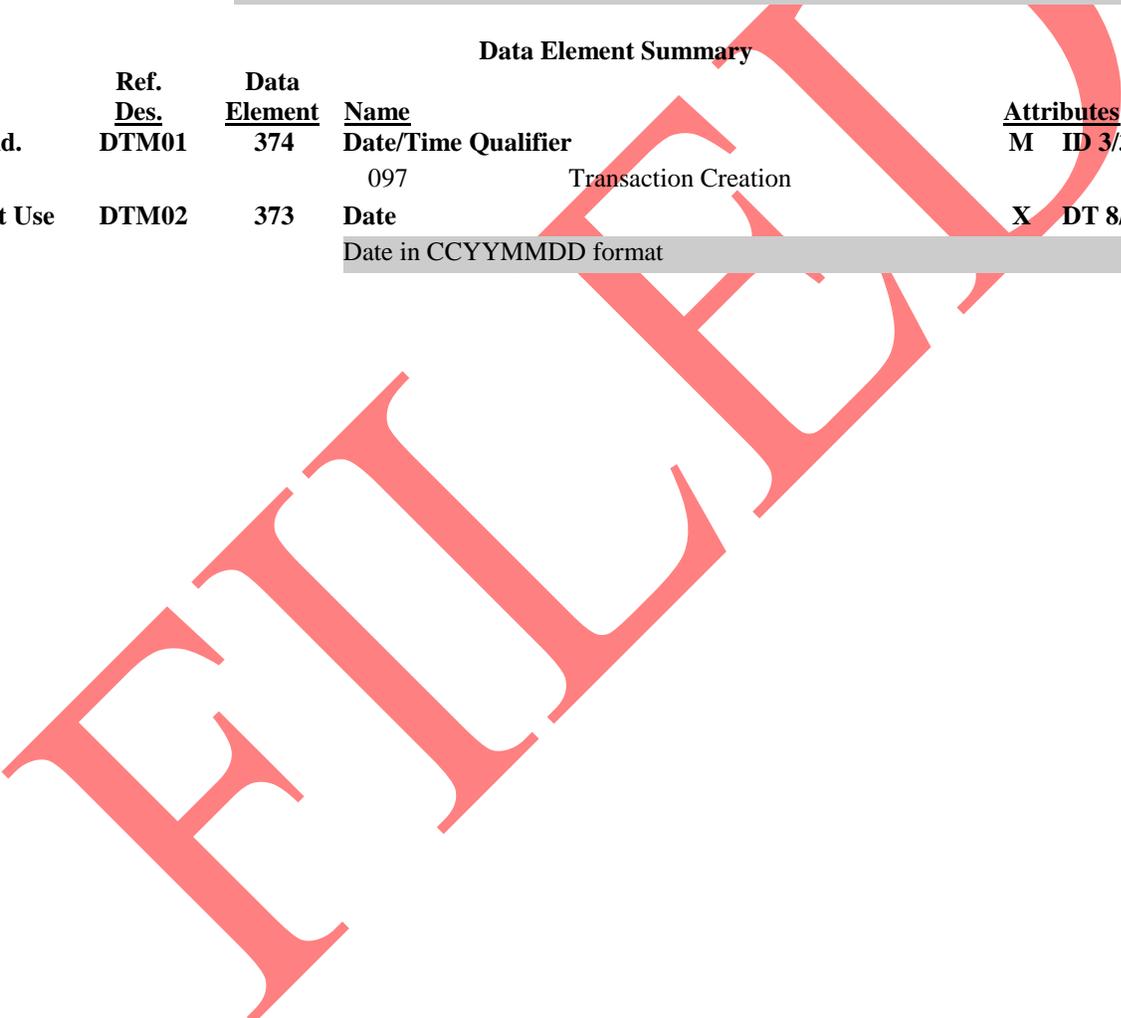
Semantic Notes:

Notes: Required

DTM~097~20060521

Data Element Summary

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



Segment: **N1** Name (Payer)
Position: 070
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Notes: Required

N1~PR~PAYER COMPANY~1~007111957

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------|------------------|---------------------|---|-------------------|
| Mand. | N101 | 98 | Entity Identifier Code PR Payer Initiator of the payment/remittance advice | M ID 2/3 |
| Optional | N102 | 93 | Name Payer Name Supplemental text information that may be supplied to provide "eyeball" identification of the Payer. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners. | X AN 1/60 |
| Must Use | N103 | 66 | Identification Code Qualifier 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID | X ID 1/2 |
| Must Use | N104 | 67 | Identification Code The D-U-N-S number or the Federal Tax ID | X AN 2/80 |

Segment: N1 Name (Payee)
Position: 070
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Notes: Required

N1~PE~PAYEE COMPANY~1~007191969

Data Element Summary

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

Segment: **ENT** Entity

Position: 010

Loop: ENT Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

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

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

Semantic Notes:

Notes:

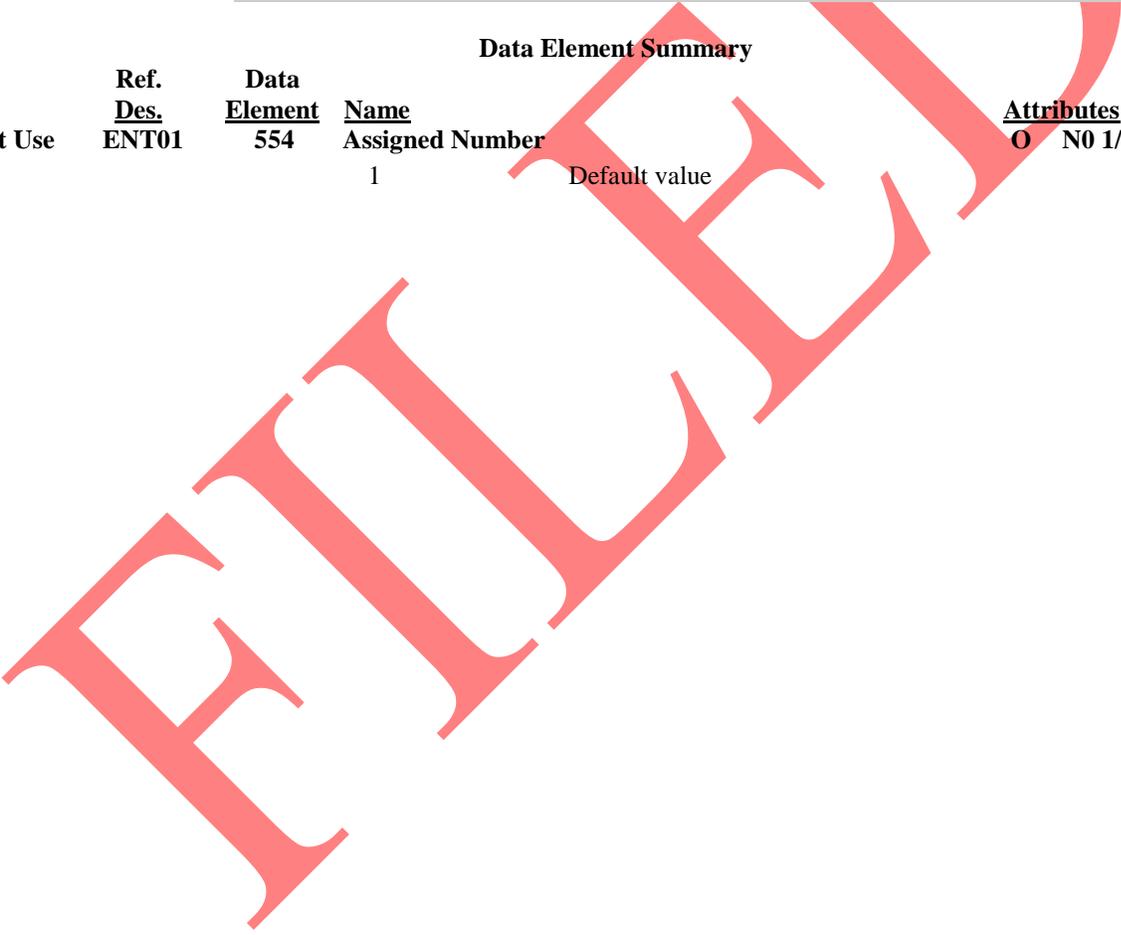
Required

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

ENT~1

Data Element Summary

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



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

Position: 150

Loop: RMR Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

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

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

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

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

2 RMR04 is the amount paid.

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

4 RMR06 is the amount of discount taken.

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

Notes: Required

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

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

RMR~12~011231287654398~PO~1000.2

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

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

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

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

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

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

Data Element Summary

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

Must Use RMR02 127 Reference Identification X AN 1/30

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

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

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

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

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

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

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

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

AJ

Adjustment

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

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

PO

Payment on Account

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

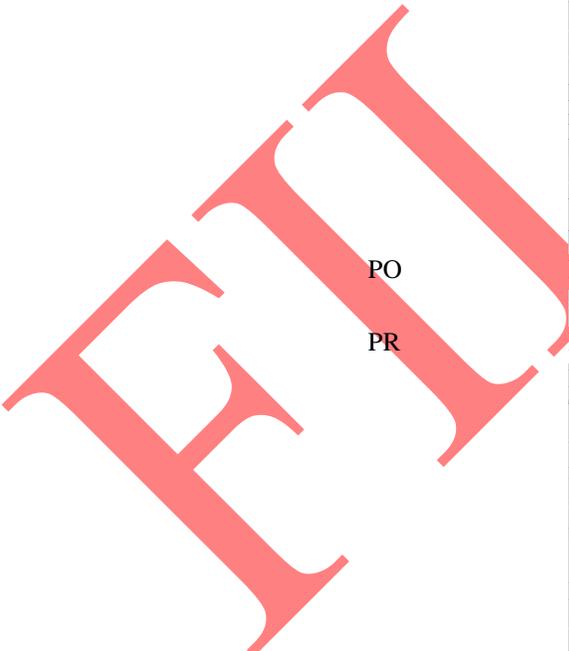
PR

Progress Payment

Purchased Receivables Only

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

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



Must Use RMR04 782 Monetary Amount

O R 1/18

Adjustment or Payment on Account or Progress Payment

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

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

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

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

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

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

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

Cond. RMR05 782 Monetary Amount

O R 1/18

Invoiced Amount

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

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

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

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

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

Cond RMR06 782 Monetary Amount O R 1/18

Discount Amount

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

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

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

Cond RMR07 426 Adjustment Reason Code X ID 2/2

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

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

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

16 Non-Invoice Related Allowance/Charge

Purchased Receivables

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

25 Item Not Accepted

Remittance was rejected

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

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

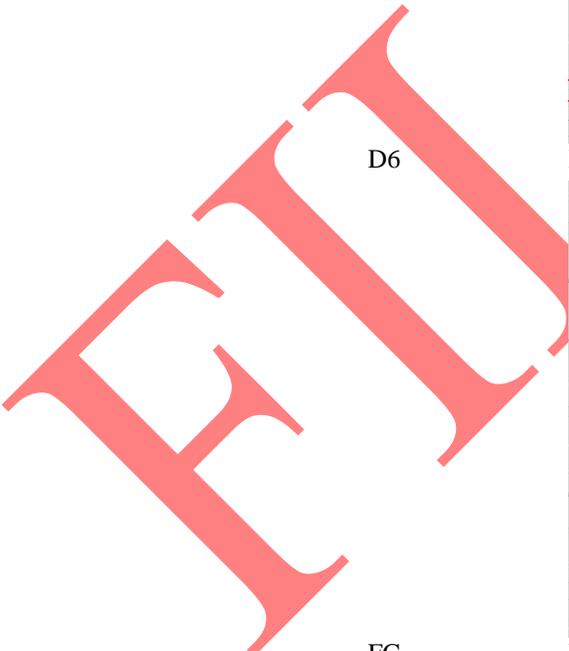
26 Invoice Cancelled

55 Tax Deducted

Adjustment for Unpaid Taxes

Funds previously remitted to purchase the receivables

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



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

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

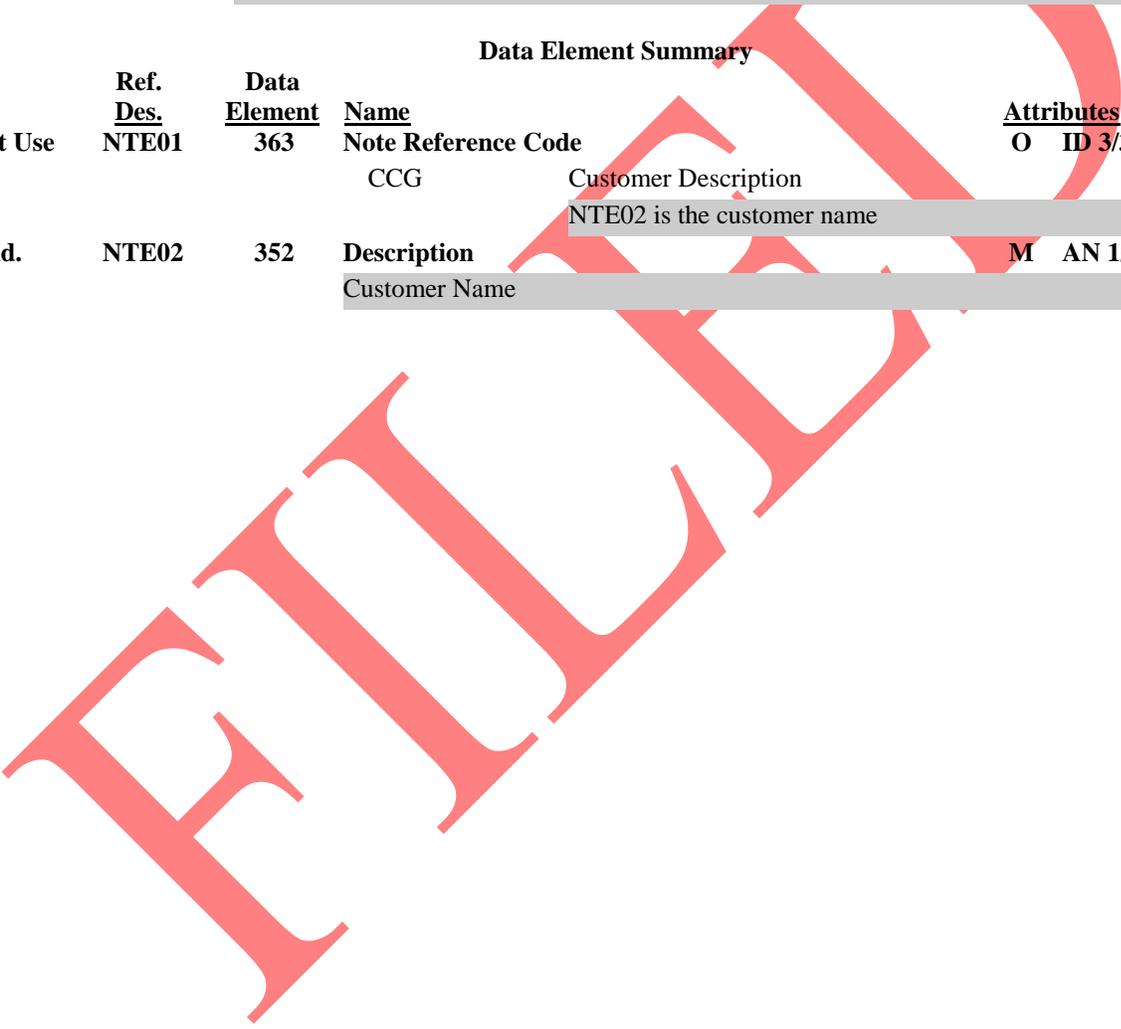
This data element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting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

FILED

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

Data Element Summary

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



Segment: **REF** Reference Identification (ESCO Customer Account Number)
Position: 170
Loop: RMR Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Notes: Conditional
 This segment is Not Used when RMR01=14 (Master Account).
 When RMR01=12 this segment is required if provided in advance by the ESCO (i.e. in an 814 Enrollment or 814 Change transaction).
 REF~11~2348400586

Data Element Summary

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

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

Position: 170

Loop: RMR Optional (Must Use)

Level: Detail

Usage: Optional (Dependent)

Max Use: 1

Purpose: To specify identifying information

Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Notes: Conditional

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

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

REF~45~1105687500

Data Element Summary

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

Segment: **REF** Reference Identification (Cross Reference Number)
Position: 170
Loop: RMR Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Notes: Conditional

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

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

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

When RMR07=GR this segment is Not Used.

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

Data Element Summary

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

Segment: **REF** Reference Identification (Invoice Number)
Position: 170
Loop: RMR Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Notes: Conditional
 When RMR01 = 14 (Master Account Number) this segment is Not Used.
 When RMR01 = 12 (Billing Account) this segment may be used to provide the invoice number from the BIG02 element of the 810 Invoice associated with the customer payment, the customer receivable or an adjustment to a payment or receivable previously sent.

- When RMR07=GR this segment is Not Used.

 REF~IK~IN200207190001

Data Element Summary

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

Segment: **REF** Reference Identification (Commodity)
Position: 170
Loop: RMR Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Notes: Conditional

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

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

Data Element Summary

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

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

Segment: **DTM** **Date/Time Reference (Date Posted)**
Position: 180
Loop: RMR Optional (Must Use)
Level: Detail
Usage: Optional (Dependent)
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:
Notes:

Conditional

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

DTM~809~20060119

Data Element Summary

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

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

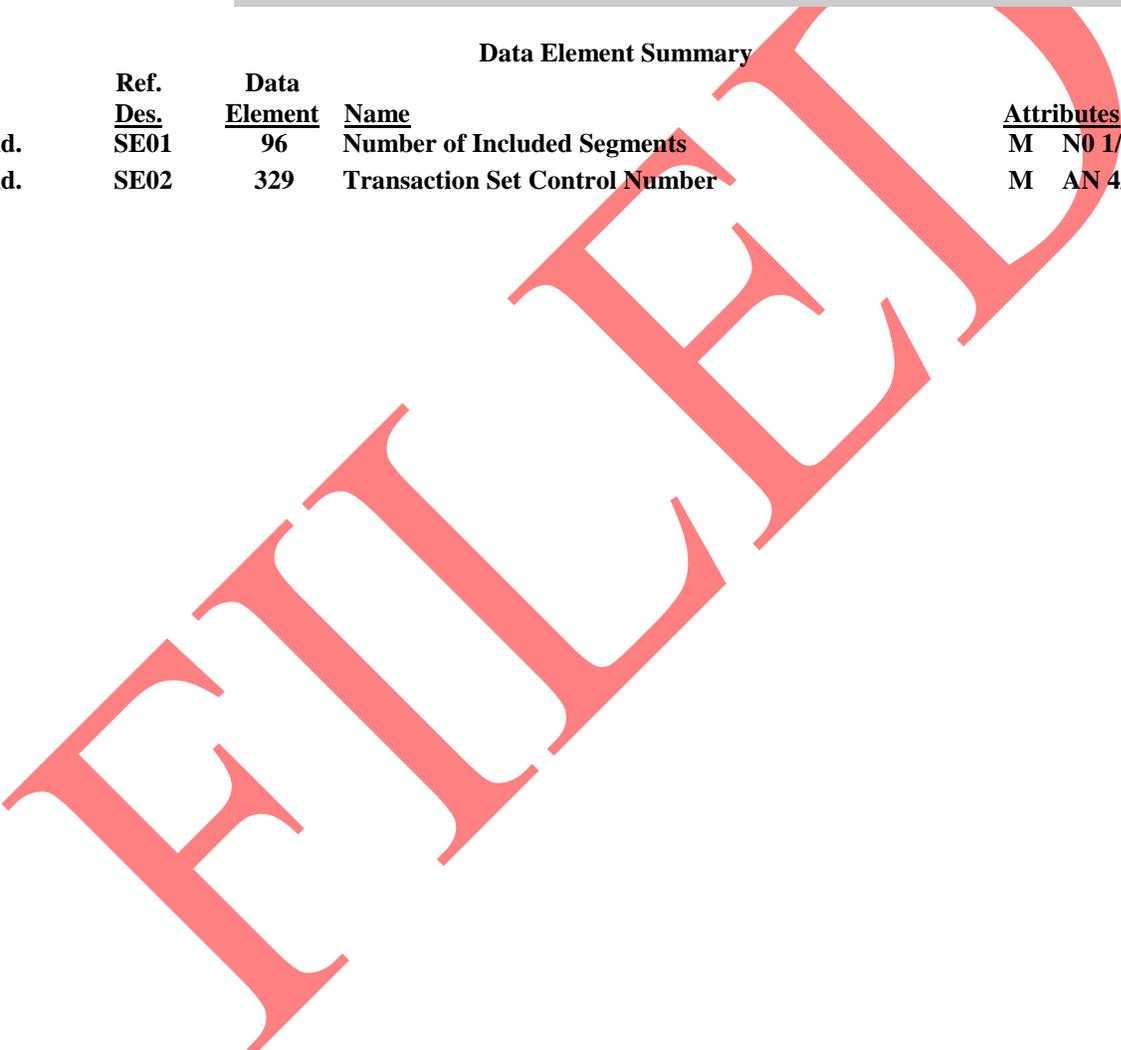
Segment: **SE** Transaction Set Trailer
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:
Semantic Notes:
Notes:

Required
 SE~320~000000001

Data Element Summary

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



EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for TS820 Remittance Advice, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility would map a specific transaction.

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

| | |
|--|---|
| ST*820*000001! | Transaction Set header; transaction defined is an 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*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; 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*60*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*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 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*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; Progress Payment Indicator ; 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; Progress Payment Indicator ; 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; Progress Payment Indicator ; 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 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 |

REJECTED

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

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

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

1) Original ESCO charge for \$100:

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

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

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

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

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

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

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

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

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

Summary/Review:

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

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

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

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

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

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