

**Pennsylvania
New Jersey
Delaware
Maryland**

Implementation Guideline

For
Electronic Data Interchange

TRANSACTION SET

820

Payment/Remittance
Ver/Rel 004010

Table of Contents

Summary of Changes.....	3
General Notes.....	5
Instructions for Handling a Negative Remittance	6
How to Use the Implementation Guideline	10
X12 Structure	11
Data Dictionary for 820 Transaction.....	12
Segment: ST Transaction Set Header	15
Segment: BPR Beginning Segment for Payment Order/Remittance Advice.....	16
Segment: TRN Trace	20
Segment: N1 Name (PR=Payor Entity Name, i.e. Billing Party).....	21
Segment: N1 Name (PE=Payee, i.e. Non-Billing Party).....	22
Segment: ENT Entity.....	23
Segment: RMR Remittance Advice Accounts Receivable Open Item Reference	24
Segment: REF Reference Identification (11=ESP Account Number).....	27
Segment: REF Reference Identification (45=LDC Old Account Number).....	28
Segment: REF Reference Identification (60-Cross Reference Number)	29
Segment: DTM Date/Time Reference (809=Date Posted)	30
Segment: SE Transaction Set Trailer.....	31
Making the Other Party Whole Examples	32
EXAMPLE: Scenario #1 - Payment accompanies Remittance Advice – CTX Transaction (Positive Remittance)	32
EXAMPLE: Scenario #2 - Payment accompanies Remittance Advice – CTX Transaction (Negative Remittance)	32
– Option 1.....	32
EXAMPLE: Scenario #3 - Part A: Payment Only – CCD+ Transaction	33
Scenario #3 - Part B: Remittance Only.....	33
EXAMPLE: Scenario #4 - Remittance Only – Negative Remittance (Option 2).....	33
EXAMPLE: Scenario #1 - Payment accompanies Remittance Advice – CTX Transaction (Positive Remittance)	34
EXAMPLE: Scenario #2 - Payment accompanies Remittance Advice – CTX Transaction (Negative Remittance)	34
– Option 1.....	34
EXAMPLE: Scenario #3 - Part A: Payment Only – CCD+ Transaction	35
Scenario #3 - Part B: Remittance Only.....	35
EXAMPLE: Scenario #4 - Remittance Only – Negative Remittance (Option 2).....	35
EXAMPLE: MD SCB Scenario #1 – Part A: Payment Only CCD+ Transaction	36
EXAMPLE: MD SCB Scenario #1 – Part B: Remittance Only	36
EXAMPLE: MD SCB Scenario #2 – Part A: Payment Only CCD+ Transaction	36
EXAMPLE: MD SCB Scenario #2 – Part B: Remittance Only	36
EXAMPLE: MD SCB Scenario #3 – Part A: Payment Only CCD+ Transaction	37
EXAMPLE: MD SCB Scenario #3 – Part B: Remittance Only	37
EXAMPLE: MD SCB Scenario #4 – Part A: Correction to incorrect Write-Off - CCD+ Transaction.....	37
EXAMPLE: MD SCB Scenario #4 – Part B: Remittance Only	37

	Summary of Changes
May 21, 1999 Initial Draft	Initial Release 4010
June 8, 1999 Version 2.0	<ul style="list-style-type: none"> Added second option for negative remittances that was in version 3070 Added some New Jersey rules Document should be FINAL for Pennsylvania
June 29, 1999 Version 2.1	<ul style="list-style-type: none"> Changed “EGS” to “ESP” and “EDC” to “LDC” throughout the guideline. Removed “NJ Definitions” and replaced it with “LDC Definitions” and “ESP Definitions” in the Notes section. Added “How to use the implementation guideline” page. In addition, changed all headers to the true X12 definition. Also corrected the Table on Page 4 to reflect X12 definitions and added the words “X12 Structure” to the title on that page. Clarified the Notes section, including... <ul style="list-style-type: none"> Removed “no lower than ASC X12 Version 003030” from the Notes section in regards to what version you use when sending information through the banking system. Removed, “The data contained in the segments has not changed with any versions above 003030.” Removed, “If the remittance is going through the bank, you will receive a minimum of the segments presented in the guideline.” Separated Making the other party whole and Not making the other party whole examples. On RMR04, removed “If the total of all RMRs is negative, see Instructions for Handling a Negative Remittance in NOTES Section of this Guideline.” This statement is covered on the BPR02 where it is applicable.
July 1, 1999 Version 2.2	<ul style="list-style-type: none"> Fixed examples to show that the Cross Reference Number is required when Making the Other Party Whole and the Posted Date is required when Not Making the Other Party Whole. Added “Must Use” to Payee Name and Payer Name. Added “Must Use” to REF02 segments.
October 1, 1999 Version 2.2c	<ul style="list-style-type: none"> Corrected Notes Instructions for Handling of Negative Remittance Option 2 to state BPR02 versus BRP02. Corrected DTM*809 (Date Posted) for New Jersey to specify this applies when not making the other party whole Added clarifying note on RMR04 when total is a negative remittance Added Delaware Information Removed confusing information on BPR05. Moved note at the bottom of BPR segment to the Notes section of BPR segment.
November 4, 1999 Version 2.3	This is a FINAL version for Pennsylvania and New Jersey
December 1999 Version 2.3MD1	<ul style="list-style-type: none"> Add Maryland use to document – the changes were added to the version 2.3 of the regional standards Added Table of Contents Added Data Dictionary
December 23, 1999 Version 2.3MD2	<ul style="list-style-type: none"> Added clarifying note to N1*PR and N1*PE for Supplier Consolidated Billing. Added recommendation for beginning value of TRN02 for Maryland
January 17, 2000 Version 2.3MD3	<ul style="list-style-type: none"> Clarified REF*45 is only used when LDC is sending transaction.
April 12, 2000 Version 2.3MD4	<ul style="list-style-type: none"> Clarified use of REF*45 for MD. This transaction is considered FINAL for MD
June 26, 2000 Version 2.3MD5	<ul style="list-style-type: none"> Added Note to Option 2 Negative charges to indicate communication needed between payer and payee. Corrected Note on TRN segment to indicate trace number is in TRN02 not TRN01.

	<ul style="list-style-type: none"> • Correct BPR05 field in example 3 and 4
September 10, 2000 Version 2.4	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Delmarva only).
October 19 ,2001 Version 2.4rev01	Incorporate Delaware Electric Coop (DEC) information for Delaware
January 9, 2002 Version 3.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
February 22, 2009 Version 3.0.1D	Incorporate PA Change Control 046 (Note: RMR03=PR was added for PA for Duquesne Light)
January 24, 2010 Version 3.1	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
November 4, 2010 Version 3.1.1D	<ul style="list-style-type: none"> • Incorporate PA Change Control 060 (PA Admin/Cleanup) • Incorporate PA Change Control 072 (RMR05/06 conditions) • Incorporate MD Change Control – Admin (Admin/Cleanup for MD) • Incorporate MD Change Control – POR 820
February 28, 2011 Version 4.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
February 16, 2012 Version 4.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware. No changes from previous version.
March 8, 2013 Version 6.0	<ul style="list-style-type: none"> • Moving to v6.0 to align versions across all transaction sets • Cleaned up references to Allegheny and APS throughout document
March 17, 2014 Version 6.1	<ul style="list-style-type: none"> • Incorporate NJ Electric Change Control 017 (PSEG negative remittance handling)
April 30, 2024 Version 6.2	<ul style="list-style-type: none"> • Incorporate MD Change Control 075 (Add support for SCB)
March 15, 2025 Version 6.3	<ul style="list-style-type: none"> • Incorporate MD Change Control 088 (Add support for Community Solar Credit)

General Notes

ASC X12 Version	<p>When sending the remittance advice separate from the payment, you are required to use the ASC X12 Version 004010 as documented in this guideline. When making payments through the banking system, you may use whatever ASC X12 version your bank will accept.</p> <p>You must have a relationship with your bank to receive remittance information electronically. This relationship determines what version of the ASC X12 standards you will receive. While a sender may use version 004010, the bank may only be capable of supporting a lower version.</p>
Use of CCD+ Transaction	<p>EDEWG requires that if the payment and remittance are sent separately and the payment is made electronically, a CCD+ transaction will be used. The CCD+ was chosen because of its ability to carry an addenda record that can be used to reassociate the payment and remittance advice and it is inexpensive.</p> <p>If you currently have a relationship with your bank for sending EDI 820 CCD+ transactions, you can continue to use the process you have in place. The standard you are currently using is negotiable between you and your bank and does not affect your trading partner because they do not see the data you send to your bank. The value of the CCD+ is the addenda record. The addenda record is used to reassociate the payment and remittance; how that is accomplished is up to the receiver and their bank. Those who do not have an EDI 820 relationship with their bank for CCD+ transactions, may use this document as a starting point for discussions with their bank. The bank may have specific requirements. EDEWG's only requirement is that the trace number be passed on with the payment instruction and also be present in the remittance advice.</p>
Reassociation	<p>If a CCD+ transaction is sent without remittance information through the banking system, it will contain a TRN segment that will contain a trace number that will also appear on the TRN of the remittance advice that is sent directly to the trading partner.</p>
Addenda Record	<p>The addenda record is built from the information contained in the segment(s) for the payment and this same information will also appear in the TRN segment of the remittance advice.</p>
Receiver	<p>Value Added Banks may include additional segments to help the receiver in the reconciliation and payment application process. For instance, Mellon Bank may add...</p> <ul style="list-style-type: none"> • DTM*234 segment that provides the actual date the settlement took place • PER segment with contact information for Mellon ACH Operations • PER segment with contact information for Mellon EDI Operations • REF*TN with the ACH trace number <p>Other banks may provide information to further identify the payee in addition to some of the items above.</p> <p>The important thing to remember is that you need to check with your bank to determine exactly what value added services they provide to you as a receiver of remittance data.</p>
Testing	<p>In addition to testing with your trading partner, you must allow sufficient time to test with your bank. Most banks require setup/lead time to implement new trading partners.</p>
Prenotes	<p>It is recommended that all new trading partners send/receive a prenote in advance of moving live payments.</p>
	<p>The guideline is presented from the perspective of the sender initiating payment instruction/remittance advice.</p>

<p>Instructions for Handling a Negative Remittance</p> <p><i>Option 1:</i></p>	<p>There are 2 options presented below that may be followed for handling a negative remittance. Each “sending” party should always follow one option – they should not switch options without informing their business partners. A zero remittance is not considered negative and may be sent through the banking system.</p> <p><u>Option 1:</u></p> <p>The 820 payment instruction and remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. If the adjustments are larger than the payments (creating a negative remittance advice), the remittance advice will be held by the sender for one business day with the expectation that additional payments due the next business day will offset the negative remittance amount.</p> <p>If the negative remittance cannot be offset in one business day, the payer will contact the payee and arrange for the adjustment(s) causing the negative condition to be repaid to the payer. The payer will remove the offending adjustment(s) from the remittance advice, bring the remittance advice to a positive status and transmit the remittance advice to the payee.</p> <p>Example:</p> <p>Day 1: Utility X inadvertently transmits a misapplied payment of \$500,000 to Supplier A on Day 1.</p> <p>Day 3: Utility X discovers the problem on Day 3 and reverses the \$500,000 on the remittance advice that also details payments of \$200,000 causing a negative remittance status:</p> <ul style="list-style-type: none"> - \$500,000 – Reversal of misapplied payment + 200,000 – Payment items for Day 3 - \$300,000 Negative net amount Day 3 <p>Utility X will hold the remittance advice for one business day to accumulate additional payments to Supplier A with the expectation that additional payments will offset the negative balance.</p> <p>Day 4: Utility X accumulates an additional \$100,000 to remit to Supplier A, but the net is still negative:</p> <ul style="list-style-type: none"> - \$300,000 – Negative net amount from Day 3 + \$100,000 – Payment items from Day 4 - \$200,000 Negative net amount Day 4 <p>At this point Utility X must call the Supplier and notify Supplier A that \$500,000 must be returned to Utility X because on Day 1 a payment was misapplied to Supplier A’s account. Supplier A must, upon verification of the error, remit \$500,000 immediately to Utility X.</p> <p>Utility X must remove the -\$500,000 that created the negative remittance condition and forward payments for Day 3 and 4 the Supplier A.</p> <ul style="list-style-type: none"> -\$500,000 – Reversal of misapplied payment from Day 3 + 200,000 – Payment items for Day 3 + 100,000 – Payment items from Day 4 + 500,000 – Removal of reversal of misapplied payment from Day 3 \$300,000 Remit to Supplier A
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MD SCB Instructions for Handling a Negative Remittance	<p>A Similar “Option 1” Process will be used for MD SCB for Handling a Negative Remittance.</p> <p>If the negative remittance cannot be offset in one business day, the payer will contact the payee and arrange for the adjustment(s) causing the negative condition to be repaid to the payer. The payer will remove the offending adjustment(s) from the remittance advice, bring the remittance advice to a positive status and transmit the remittance advice to the payee.</p>
<i>Option 2:</i>	<p><u><i>Option 2:</i></u></p> <p>The 820 payment instruction and remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. If the adjustments are larger than the payments (creating a negative remittance advice), the remittance advice will be transmitted with a zero in the BPR02.</p> <p>The BPR02 will either contain the total positive amount being moved through the ACH system, which will add up to all your detail line items (RMRs), or zero if total of the detail line items is negative.</p>
<i>Option 3:</i>	<p>Note: Payer must contact payee of the negative balance to determine how payee will return the funds to the original payer.</p> <p>Used by PSE&G New Jersey - The 820 payment instruction and remittance advice will be sent on a daily basis and will include all applicable adjustments as outlined in the guides as long as the adjustments are not larger than the payments. If the adjustments are larger than the payments (creating a negative remittance advice), the remittance advice will be held by the sender for the next business day with the expectation that additional payments due the next business day will offset the negative remittance amount until the negative balance is exhausted.</p> <p>Example:</p> <p>Day 1: Utility X inadvertently transmits a payment of \$500,000 to Supplier A on Day 1.</p> <p>Day 3: Utility X discovers a problem on Day 2 and reverses the \$500,000 on the remittance advice that also details payments of \$200,000 causing a negative remittance status:</p> <ul style="list-style-type: none"> - \$500,000 – Reversal of cancelled payment + 200,000 – Payment items for Day 3 - \$300,000 Negative net amount Day 3 <p>Utility X will hold the remittance advice for the next business day to accumulate additional payments to Supplier A with the expectation that additional payments will offset the negative balance. The BPR*I* will report “0” as the amount of remittance</p> <p>Day 4: Utility X accumulates an additional \$100,000 to remit to Supplier A, but the net is still negative:</p> <ul style="list-style-type: none"> - \$300,000 – Negative net amount from Day 3 + \$100,000 – Payment items from Day 4 - \$200,000 Negative net amount Day 4 <p>Utility X will hold the remittance advice for the next business day to accumulate additional payments to Supplier A with the expectation that additional payments will offset the negative balance. The BPR*I* will report “0” as the amount of remittance</p> <p>Day 5: Utility X accumulates an additional \$100,000 to remit to Supplier A, but the net is still negative:</p> <ul style="list-style-type: none"> - \$200,000 – Negative net amount from Day 4

	<p>+ \$100,000 – Payment items from Day 5 - \$100,000 Negative net amount Day 5 Utility X will hold the remittance advice for the next business day to accumulate additional payments to Supplier A with the expectation that additional payments will offset the negative balance. The BPR*I* will report “0” as the amount of remittance</p> <p>Day 6: Utility X accumulates an additional \$100,000 to remit to Supplier A, but the net becomes positive. - \$100,000 – Negative net amount from Day 5 + \$150,000 – Payment items from Day 6 +\$50,000 positive net amount Day 6 Utility X will send a positive remittance advice to Supplier A for the positive amount of payment. . The BPR*I* will report “50000.00” as the amount of remittance.</p>
LDC Definitions:	<p>The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:</p> <ul style="list-style-type: none"> • EDC – Electric Distribution Company (Pennsylvania, Delaware) • LDC – Local Distribution Company (New Jersey) • EC – Electric Company (Maryland)
ESP Definitions:	<p>The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:</p> <ul style="list-style-type: none"> • EGS – Electric Generation Supplier (Pennsylvania) • TPS – Third Party Supplier (New Jersey) • ES – Electric Supplier (Delaware) • ES – Electricity Supplier (Maryland)
Cross Reference Number between 867, 810, and 820	<p>There is a cross reference between billing related documents.</p> <ul style="list-style-type: none"> • 867 – BPT02 – This document establishes the cross reference number. • 810 – BIG05 – This document must have the cross reference number from the respective 867. • 820 – REF6O (letter O) – When making the other party whole, the 820 to the non-billing party must also include the cross reference number from 867/810 document. <p>Note: In NJ, PSE&G will not be supporting the cross reference on the 810.</p>
MD SCB Scenarios:	<p>Supplier should respond to a Zero-dollar 810 Invoice with a Zero-dollar 820 payment remittance.</p> <p>If an 810 Invoice is canceled prior to the payment due date – no 820 payment should be issued for that cancelled 810. A new replacement 810 Invoice with a new payment due date will be generated if appropriate.</p>
MD SCB Payment Processing:	<p>When a Supplier is paying a Utility SCB 810 Invoice they should use the following format: 820 - RMR*12*7799621539*PO*300.00.</p>
MD SCB 810 Payment Reversal:	<p>If a Supplier needs to reverse or adjust an 810 Payment in error, they should use the following format: RMR*12*7799621539*AJ*-300.00***CS*-300.00</p>
MD SCB 248 Write-Off Payment:	<p>When a Supplier is requesting payment for an approved 248 write-off transaction, they should use the following format: RMR*12*7799621539*AJ*-500.00***72*-500.00</p>
MD SCB 248 Payment: Reversal	<p>RMR*12*7799621539*AJ*500.00***CS*500.00</p>

<p>MD SCB Payment Processing:</p>	<p>When a Supplier is paying a Utility SCB 810 Invoice they should use the following format: 820 - RMR*12*7799621539*PO*300.00.</p>
<p>MD SCB 810 cancel Payment</p>	<p>When a Supplier receives a Cancel/Rebill the cancel should use the following format: RMR*12*7799621539*AJ*-300.00***26*-300.00</p>

How to Use the Implementation Guideline

Segment:	REF Reference Identification
Position:	030
Loop:	LIN
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 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 is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

Notes:	Recommended by UIG
PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
	Request: Required
	Accept Response: Required
	Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's 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>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
		12	Billing Account	
			LDC assigned account number for end use customer.	
Must Use	REF02	127	Reference Identification Reference information as determined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O = Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

820 Payment Order/Remittance Advice

X12 Structure

Functional Group ID=**RA**

Heading:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
	035	TRN	Trace	O	1		c1
			LOOP ID - N1			>1	
	070	N1	Name	O	1		c2

Detail:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
			LOOP ID - ENT			>1	
	010	ENT	Entity	O	1		n1, c3
			LOOP ID - RMR			>1	
	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		c4
	170	REF	Reference Identification	O	>1		
	180	DTM	Date/Time Reference	O	>1		

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	SE	Transaction Set Trailer	M	1		

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.
2. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
3. ENT09 may contain the payee's accounts receivable customer number.
4. Loop RMR is for open items being referenced or for payment on account.

Data Dictionary for 820 Transaction

<i>Appl Field</i>	<i>Field Name</i>	<i>Description</i>	<i>EDI Segment</i>	<i>Related EDI Qualifier</i>	<i>Data Type</i>
HEADER LEVEL REMITTANCE INFORMATION					
1	Transaction Handling Code	"C" = Payment accompanies remittance advice "I" = Remittance Information Only "P" = Prenote	BPR01		X(1)
2	Total Payment Amount	Will contain the total positive amount being moved through the ACH system, which will add up to all your detail line items (RMRs). Refer to Implementation Guide on how to handle a negative remittance. Zero is not considered a negative remittance.	BPR02		9(10).9(2)
3	Credit/Debit Indicator	Payment and Remittance Advice will always be a credit: "C" - Credit	BPR03		X(1)
4	Payment Method Code	Code identifying the method for transmitting the payment. "ACH" - Automated Clearing House "CHK" - Check	BPR04		X(3)
5	Payment Format Code	Code identifying payment format to be used. "CTX" - Corporate Trade Exchange "CCP" - Cash Concentration Disbursement "PBC" - Commercial/Corporate Check	BPR05		X(10)
6	(DFI) ID Number Qualifier	DFI ID Number Qualifier "01" - ABA Transit Routing Number	BPR06 *		X(2)
7	(DFI) ID Number	Payer's Financial Institution	BPR07 *		X(12)
8	Account Number Qualifier	Code indicating type of account "DA" - Demand Deposit "SG" - Savings	BPR08 *		X(3)
9	Account Number	Payer's Financial Institution Account Number	BPR09 *		X(35)
10	Originating Company Identifier	A unique identifier designating the company initiating the funds transfer instructions.	BPR10 *		X(10)
11	Originating Company Supplemental Code	A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions	BPR11 *		X(9)
12	(DFI) ID Number Qualifier	DFI ID Number Qualifier "01" - ABA Transit Routing Number	BPR12 *		X(2)
13	(DFI) ID Number	Payee's financial institution	BPR13 *		X(12)
14	Account Number Qualifier	Code indicating type of account "DA" - Demand Deposit "SG" - Savings	BPR14 *		X(3)
15	Account Number	Payee's financial institution account number	BPR15 *		X(35)
16	Payer's Intended Settlement Date	Date the payment is expected to clear ACH (CCYYMMDD format).	BPR16		9(8)

17	Business Function Code	Code identifying the business reason for this payment	BPR17 *		X(3)
18	Trace Type Code	"1" - Current Transaction Trace Number "3" - Financial Reassociation Number	TRN01		9
19	Trace Number	Unique number identifying this remittance advice used to reassociate the remittance advice to the payment if the payment and remittance advice are sent separately.	TRN02	TRN01 = "1"	X(30)
20	Payer Name	Payer's Name	N102	N101 = "PR"	X(60)
21	Payer DUNS	Payer's DUNS Number or DUNS+4 Number	N104	N101 = "PR"	X(13)
22	Payee Name	Payee's Name	N102	N101 = "PE"	X(60)
23	Payee DUNS	Payee's DUNS Number or DUNS+4 Number	N104	N101 = "PE"	X(13)
PAYMENT LINE ITEM LOOP					
24	Assigned Number	Number assigned for differentiation within a transaction set.	ENT01		X(6)
25	LDC Account Number	LDC Account Number for the end use customer.	RMR02	RMR01 = "12"	X(30)
26	Payment Action Code	"PO" - Payment on Account "AJ" - Adjustment "PR" - Purchase of Receivables	RMR03		X(2)
27	Line Item Amount	Total Dollar Amount adjusted or paid for this customer's account. This amount is summed to the BPR02, unless the total of the RMRs is negative, in which case see "Notes".	RMR04		-9(10).9(2)
28	Monetary Amount	The invoiced amount	RMR05	RMR03 = PR or AJ	
29	Monetary Amount	The invoiced amount	RMR06	RMR03 = PR or AJ	
30	Adjustment Reason Code	Adjustment reason code: "CS" = Adjustment "IF" = Insufficient Funds "26" = Cancelled Invoice "72" = Returned Items	RMR07		X(2)
31	Adjustment Amount	This amount must be signed if negative. The amount in RMR08 will always be the same as the amount in RMR04. The adjustment amount is only populated if there is an adjustment to be made.	RMR08		-9(10).9(2)
32	ESP Account Number	Customer Account Number assigned by ESP	REF02	REF01 = "11"	X(30)
33	Old Account Number	Previous LDC Account Number	REF02	REF01 = "45"	X(30)
34	Cross Reference Number	Unique number to cross-reference 867, 810 and 820 transactions	REF02	REF01="60"	X(30)

35	Date Payment Posted	Date the payment was posted by the billing party.	DTM02	DTM01 = "809"	9(8)
<p>* For Payment and Remittance Information Together. Indicates that these items may or may not be required by your bank. Different banks have different requirements related to the BPR elements.</p>					

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).

Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	ST*820*000000001

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 820 Payment Order/Remittance Advice	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

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.

Comments:

Notes: Specific qualifiers used in data elements BPR01, BPR03, BPR04 and BPR05 need to be discussed and agreed upon between the originator and the originator's financial institution prior to using the transaction. In addition to testing with your trading partner, you must allow sufficient time to test with your bank. Most banks require setup/lead time to implement new trading partners. It is recommended that all new trading partners send/receive a prenote in advance of moving live payments.

For CTX payments and remittance details that travel together. These items may or may not be required by your bank. Different banks have different requirements related to the BPR elements. Your relationship with your bank will be the deciding factor on what information you will send and receive.

PA Use: BPR01, BPR02, BPR03, BPR04 and BPR16 are Required. The other BPR elements may be sent when sending the 820 through the banking system. It is important that confidential information, such as bank account numbers, NOT be sent when the remittance is being sent separately.

In the event that your remittance advice sums to a negative amount, see the "Instructions for Handling a Negative Remittance" which appear in the Notes. The BPR is an instruction to the bank and the bank cannot move negative dollar amounts.

- For CTX payments and remittance details travel together. These items may or may not be required by your bank. Different banks have different requirements related to the BPR elements. Your relationship with your bank will be the deciding factor on what information you will send and receive.

NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
	NOTE – MD SCB: If BPR02 is negative, supplier should not send 820 transaction and refer to negative payment total procedure as outlined in the Notes Section above.
Example:	BPR*C*1000.00*C*ACH*CTX*01*031100047*DA*1234567***01*031201467*DA*7654321*19990220 (Payment and Remittance Information)
	BPR*I*1000.00*C*ACH*CCP*****19990220 (Remittance Information Only)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	BPR01	305	Transaction Handling Code Code designating the action to be taken by all parties C Payment Accompanies Remittance Advice I Remittance Information Only P Prenotification of Future Transfers It is recommended that all new trading partners send/receive a prenote in advance of moving live payments.	M ID 1/2
Must Use	BPR02	782	Monetary Amount Monetary amount Will contain the total positive amount (including zero) being moved through the ACH system, which will add up to all your detail line items (RMRs). Please see Notes above for instructions on how to handle a negative remittance.	M R 1/15
Must Use	BPR03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit C Credit	M ID 1/1
Must Use	BPR04	591	Payment Method Code Code identifying the method for the movement of payment instructions ACH Automated Clearing House (ACH) CHK Check	M ID 3/3
Recomm	BPR05	812	Payment Format Code Code identifying the payment format to be used CTX Corporate Trade Exchange (CTX) (ACH) CCP Cash Concentration/Disbursement plus Addenda (CCD+) (ACH) PBC Commercial/Corporate Check	O ID 1/10

March 15, 2025

Version 6.3

*	BPR06	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI) 01 ABA Transit Routing Number Including Check Digits (9 digits)	X	ID 2/2
*	BPR07	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number Payer's financial institution	X	AN 3/12
*	BPR08	569	Account Number Qualifier Code indicating the type of account DA Demand Deposit SG Savings	O	ID 1/3
*	BPR09	508	Account Number Account number assigned Payer's account number Note: This field should NEVER BE SENT when the remittance is not going through the banking system.	X	AN 1/35
*	BPR10	509	Originating Company Identifier A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9 Check with your bank to determine requirements for this field.	O	AN 10/10
*	BPR11	510	Originating Company Supplemental Code A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions Check with your bank to determine requirements for this field.	O	AN 9/9
*	BPR12	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI) 01 ABA Transit Routing Number Including Check Digits (9 digits)	X	ID 2/2
*	BPR13	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number Payee's financial institution	X	AN 3/12
*	BPR14	569	Account Number Qualifier Code indicating the type of account DA Demand Deposit SG Savings	O	ID 1/3
*	BPR15	508	Account Number Account number assigned Payee's account number	X	AN 1/35
Must Use	BPR16	373	Date Date (CCYYMMDD) Payer's intended settlement 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.	O	DT 8/8
*	BPR17	1048	Business Function Code Code identifying the business reason for this payment CON Consumer Third Party Consolidated Payment VEN Vendor Payment Check with your bank to determine requirements for this field.	O	ID 1/3

Allowable Combinations	BPR01	BPR04	BPR05
Payment & Remittance Together	C	ACH	CTX
Remittance Info Only - ACH CCP	I	ACH	CCP
Remittance Info Only - Check	I	CHK	PBC

Segment: **TRN** Trace
Position: 035
Loop:
Level: Heading
Usage: Optional
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.

Comments:

PA Use:	Required This segment will be used to generate the addenda record that accompanies the dollars when only remittance information is sent. Note: Using “EDEWGCP” as the beginning value for TRN02 is a recommendation by EDEWG. It is not a requirement, but it is felt it would help to minimize confusion with other types of 820 data being transmitted.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA Note: Using “MDEDI” as the beginning value for TRN02 is a recommendation by the Maryland EDI Sub-team. It is not a requirement, but it is felt it would help to minimize confusion with other types of 820 data being transmitted.
Example:	TRN*3*EDEWGCP76037298

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	TRN01	481	Trace Type Code Code identifying which transaction is being referenced 1 Current Transaction Trace Numbers Used when Payment and Remittance Information travel Together 3 Financial Reassociation NumberThe matching of payment and remittance information originated separately. Used when this 820 is for Remittance Information Only	M ID 1/2
Must Use	TRN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Unique Number identifying this remittance advice, used to reassociate the remittance advice to the payment, when the payment and remittance advice are sent separately.	M AN 1/30

Segment: **N1** Name (PR=Paying Entity Name, i.e. Billing Party)

Position: 070

Loop: N1

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To identify a party by type of organization, name, and code

Syntax Notes:

- 1 At least one of N102 or N103 is required.
- 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*PR*LDC COMPANY*1*007909411 Note: The N1*PR is used to reflect the payer. In Utility Consolidated Billing, the Payer is the utility; in Supplier Consolidated Billing, the Payer will be the supplier.

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PR Payer Initiator of the payment/remittance advice	M ID 2/3
Must Use	N102	93	Name Free-form name Payer Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Payer D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80

Segment: **N1** Name (PE=Payee, i.e. Non-Billing Party)
Position: 070
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*PE*ESP COMPANY*1*007909422 Note: The N1*PE is used to reflect the receiver of the payment. In Utility Consolidated Billing, the Payee is the supplier; in Supplier Consolidated Billing, the Payee will be the utility.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PE Payee Receiver of the payment/remittance advice	M ID 2/3
Must Use	N102	93	Name Free-form name Payee Name	X AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	X ID 1/2
Must Use	N104	67	Identification Code Code identifying a party or other code Payee D-U-N-S Number or D-U-N-S + 4 Number	X AN 2/80

Segment:	ENT Entity
Position:	010
Loop:	ENT
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To designate the entities which are parties to a transaction and specify a reference meaningful to those entities
Syntax Notes:	<ol style="list-style-type: none"> 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:	
Comments:	<ol style="list-style-type: none"> 1 This segment allows for the grouping of data by entity/entities at or within a master/masters. A master (e.g., an organization) can be comprised of numerous subgroups (e.g., entities). This master may send grouped data to another master (e.g., an organization) which is comprised of one or more entities. Groupings are as follows: <ol style="list-style-type: none"> (1) Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master). (2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity, so no other data elements need be used. (3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity, so no other data elements need be used. (4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. <p>This segment also allows for the transmission of a unique reference number that is meaningful between the entities.</p>

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	ENT*1

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	ENT01	554	Assigned Number	O N0 1/6
			Number assigned for differentiation within a transaction set	

Segment:	RMR Remittance Advice Accounts Receivable Open Item Reference
Position:	150
Loop:	RMR
Level:	Detail
Usage:	Optional
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
Comments:	1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication. 2 If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present. 3 RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
	For MD SCB use, if TDS01 = Zero due to the receipt of zero-dollar 180, Supplier will submit a zero-dollar 820 payment remittance to the Utility.
Examples:	RMR*12*7799621539*PO*300.00 RMR*12*39481958690*PO*795.00 RMR*12*3965716927*AJ*-.95.00***CS*-.95.00
MD SCB Examples:	RMR*12*7799621539*PO*300.00 RMR*12*7799621539*AJ*-.300.00***CS*-.300.00 RMR*12*7799621539*AJ*-.500.00***72*-.500.00 RMR*12*7799621539*AJ*500.00***CS*500.00 RMR*12*7799621539*AJ*-.400.00***26*-.400.00 RMR*12*05511771780877777777*AJ*-.30.95***81*-.30.95

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	RMR01	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			12	
			Billing Account	
			LDC-assigned account number for the end use customer.	
			Note: Must be identical to account number as it appears on the Customer's Bill, excluding punctuation (spaces, dashes, etc.) Significant leading and trailing zeros must be included.	
Must Use	RMR02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Must Use	RMR03	482	LDC-assigned account number for the end use customer.		
			Payment Action Code	O	ID 2/2
			Code specifying the accounts receivable open item(s), if any, to be included in the cash application.		
			AJ	Adjustment	
				Adjustment of a previous payment or purchased amount	
				MD SCB used for 248 write-off payment.	
				Also used for a Supplier to reverse 248 write-off or to reverse an 810 Invoice payment made in error or on a cancel on 810 Invoice.	
			PO	Payment on Account	
				Required for Making the Other Party Whole or Purchase of Receivables (POR) when no discount is being applied	
			PR	Purchase of Receivables with Discount	
				Required when payment is for Purchase of Receivables with a Discount Amount	
Must Use	RMR04	782	Monetary Amount	O	R 1/18
			Monetary amount		
			The payment/adjustment amount. This amount is algebraically summed to BPR02.		
			Please see Notes above for instructions on how to handle a negative remittance – when the total remittance is negative, the sum of the RMR04 values will not add up to the BPR02		
			MD SCB – When TDS01 = Zero, Supplier will create zero-dollar 820 payment remittance. RMR04 will be negative if RMR07 = 72.		
	RMR05	782	Monetary Amount	O	R 1/18
			Monetary amount		
			The invoiced amount		
			The amount in RMR05 is the total amount (debit or credit) billed to the customer for EGS 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		
			NOTE: RMR05 and RMR06 are Required for Purchase of Receivables (RMR03=PR) and Adjustments (RMR03=AJ) when original payment was for Purchase of Receivables (RMR03=PR).		
	RMR06	782	Monetary Amount	O	R 1/18
			Monetary amount		
			The discount amount		
			When RMR03=PR, RMR06 contains the amount of the discount applied to the current period invoiced amount (sent in RMR05) and must be preceded by a minus sign (-) if less than zero. RMR05 plus RMR06 should equal the amount sent in RMR04. When there is no discount, RMR06 should contain 0.00.		
	RMR07	426	Adjustment Reason Code	X	ID 2/2
			Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment		
			26	Invoice Cancelled	
			72	Authorized Return	

			Returned Items
			MD SCB Write Off – RMR04 and RMR08 amounts will always be negative when RMR07 = 72.
	CS		Adjustment
	81		Credit As Agreed
			MD SCB Community Solar – credit for BGE & PHI.
			Not used for FE (Potomac Edison)
	C1		Settlement of Account
			POR Budget True Up
			MD SCB – Not Used
	IF		Insufficient Funds
			MD SCB – Not Used
RMR08	782	Monetary Amount	X R 1/18
		Monetary amount	
		The adjustment amount. This amount must be signed if negative. The amount in RMR04 will always be the same as the amount in RMR08. The adjustment amount is only populated if there is an adjustment to be made.	
		Note: RMR07 and RMR08 are Required for Adjustments (RMR03=AJ), not populated for Payment on Account (RMR03=PO or PR).	
		MD SCB: RMR08 will always be negative when RMR07 = 72.	

Segment: **REF** Reference Identification (11=ESP Account Number)
Position: 170
Loop: RMR
Level: Detail
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.

Comments:

PA Use:	Required if previously provided to LDC.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*11*1394959

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 11 Account Number ESP-assigned account number for end use customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **REF** Reference Identification (45=LDC Old Account Number)
Position: 170
Loop: RMR
Level: Detail
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.

Comments:

PA Use:	Required if the LDC has changed the account number within the last 60 days. Note: Only used when LDC is sending this transaction
NJ Use:	Same as PA Note: PSE&G will not provide old LDC Account Number.
DE Use:	Not used
MD Use:	Not Used by BGE, PEPCO, or Delmarva. PE: Required if the account number has changed in the last 60 days. Note: Only used when LDC is sending this transaction
Example:	REF*45*2310130586

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 45 Old Account Number Previous LDC-assigned account number for the end use customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment:	REF Reference Identification (6O-Cross Reference Number)
Position:	170
Loop:	RMR
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	

PA Use:	Required if billing party is making the non-billing party whole. Unique cross reference number used to associate metering information (867MU or 867IU transaction), billing information (810 transaction) and payment information (820 transaction) for a specific billing period for an account.
NJ Use:	This will not be used in New Jersey
DE Use:	This will not be used in Delaware
MD Use:	Optional, required for MD SCB
Example:	REF*6O*123456789 (Note code 6O with a letter O)

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 6O Cross Reference Number Unique cross-reference number to link 867, 810, and 820. The cross-reference number originally transmitted in the 867 – BPT02, and the 810 – BIG05.	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **DTM** Date/Time Reference (809=Date Posted)

Position: 180

Loop: RMR

Level: Detail

Usage: Optional

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:

Comments:

PA Use:	Required if billing party is not making the non-billing party whole.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	DTM*809*19990214

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 809 Posted	M ID 3/3
Must Use	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8

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:**

Comments: 1 SE is the last segment of each transaction set.

PA Use:	Required
NJ Use:	Required
DE Use :	Required
MD Use:	Required
Example:	SE*17*000000001

Data Element Summary

	Ref.	Data	Name	X12 Attributes
	Des.	Element		
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Making the Other Party Whole Examples

EXAMPLE: Scenario #1 - Payment accompanies Remittance Advice – CTX Transaction (Positive Remittance)

BPR*C*1000.00*C*ACH*CTX*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, banking information, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
REF*6O*LDC19990501-001	Cross reference number to 867 & 810.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC19990501-002	Cross reference number to 867 & 810.
RMR*12*3965716927*AJ*-95.00***CS*-95.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
REF*6O*LDC19990501-003	Cross reference number to 867 & 810.

EXAMPLE: Scenario #2 - Payment accompanies Remittance Advice – CTX Transaction (Negative Remittance) – Option 1

Payment is not made and Remittance Advice is held one business day to see if the remittance becomes positive. Please see Notes Page in the 820 Payment Remittance EDI Implementation Guide for instructions on how to resolve a negative remittance older than one business day.

BPR*C*-100.00*C*ACH*CTX*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	<i>Remittance Advice and Payment Instruction will not be generated and sent because the RMRs do not total to a positive number.</i> Handling code, total amount, credit indicator, banking information, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*6O*LDC19990501-001	Cross reference number to 867 & 810.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC19990501-002	Cross reference number to 867 & 810.
RMR*12*3965716927*AJ*-1195.00***CS*-1195.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
REF*6O*LDC19990501-003	Cross reference number to 867 & 810.

Making the Other Party Whole Examples**EXAMPLE: Scenario #3 - Part A: Payment Only – CCD+ Transaction**

BPR*D*1000.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name

Scenario #3 - Part B: Remittance Only

BPR*I*1000.00*C*ACH*CCP*****19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
REF*6O*LDC19990501-001	Cross reference number to 867 & 810.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC19990501-002	Cross reference number to 867 & 810.
RMR*12*3965716927*AJ*-95.00***CS*-95.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
REF*6O*LDC19990501-003	Cross reference number to 867 & 810.

Please note that the TRN is identical in Scenario #3 parts A & B so that they can be reassocated.

EXAMPLE: Scenario #4 - Remittance Only – Negative Remittance (Option 2)

Payment is not made and Remittance Advice is held one business day to see if the remittance becomes positive. Please see Notes Page in the 820 Payment Remittance EDI Implementation Guide for instructions on how to resolve a negative remittance older than one business day

BPR*I*0*C*ACH*CCP*****19990220	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
REF*6O*LDC19990501-001	Cross reference number to 867 & 810.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC19990501-002	Cross reference number to 867 & 810.
RMR*12*3965716927*AJ*-1195.00***CS*-1195.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
REF*6O*LDC19990501-003	Cross reference number to 867 & 810.

Note: There is no associated CCD+ transaction.

Not Making the Other Party Whole Examples**EXAMPLE: Scenario #1 - Payment accompanies Remittance Advice – CTX Transaction (Positive Remittance)**

BPR*C*1000.00*C*ACH*CTX*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, banking information, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*3965716927*AJ*-95.00***CS*-95.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

EXAMPLE: Scenario #2 - Payment accompanies Remittance Advice – CTX Transaction (Negative Remittance) – Option 1

Payment is not made and Remittance Advice is held one business day to see if the remittance becomes positive. Please see Notes Page in the 820 Payment Remittance EDI Implementation Guide for instructions on how to resolve a negative remittance older than one business day.

BPR*C*-100.00*C*ACH*CTX*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	<i>Remittance Advice and Payment Instruction will not be generated and sent because the RMRs do not total to a positive number.</i> Handling code, total amount, credit indicator, banking information, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*3965716927*AJ*-1195.00***CS*-1195.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

Not Making the Other Party Whole Examples

EXAMPLE: Scenario #3 - Part A: Payment Only – CCD+ Transaction

BPR*C*1000.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name

Scenario #3 - Part B: Remittance Only

BPR*I*1000.00*C*ACH*CCP*****19990520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*3965716927*AJ*-95.00***CS*-95.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

Please note that the TRN is identical in Scenario #3 parts A & B so that they can be re-associated.

EXAMPLE: Scenario #4 - Remittance Only – Negative Remittance (Option 2)

Payment is not made and Remittance Advice is held one business day to see if the remittance becomes positive. Please see Notes Page in the 820 Payment Remittance EDI Implementation Guide for instructions on how to resolve a negative remittance older than one business day

BPR*I*0*C*ACH*CCP*****19990220	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PR*LDC COMPANY*1*007909411	Payer Name
N1*PE*ESP COMPANY*1*007909422	Payee Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*1394959	ESP Account Number
REF*45*2310130586	Old LDC Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*39481958690*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
DTM*809*19990514	Date customer payment was posted.
RMR*12*3965716927*AJ*-1195.00***CS*-1195.00	LDC Account Number and associated dollar amount
REF*11*3859175	ESP Account Number
DTM*809*19990514	Date customer payment was posted.

Note: There is no associated CCD+ transaction.

EXAMPLE: MD SCB Scenario #1 – Part A: Payment Only CCD+ Transaction

BPR*C*795.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*20230520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037297	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name

EXAMPLE: MD SCB Scenario #1 – Part B: Remittance Only

Two SCB Invoice payments and a write-off.

BPR*I*795.00*C*ACH*CCP*****20230520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037297	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name
ENT*1	
RMR*12*7799621539*PO*300.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC20230501-001	Cross reference number to 867 .
RMR*12*3948195869*PO*795.00	LDC Account Number and associated dollar amount
REF*11*3865187	ESP Account Number
REF*6O*LDC20230501-002	Cross reference number to 867
RMR*12*3965716919*AJ*-300.00***72*--300.00	LDC Account Number and associated dollar amount
REF*11*3865200	ESP Account Number
REF*6O*LDC20230501-003	Cross reference number to 867

EXAMPLE: MD SCB Scenario #2 – Part A: Payment Only CCD+ Transaction

This is Cancel /Rebill of the 810 transactions in the previous example where the cancel and rebill do not come together. Received two 810 Invoice cancels. Gap of several business days or more for the replacement 810s. An additional payment is also included in this example to avoid having the BPR02 going negative.

BPR*C*200.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*20230710	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*7603728	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name

EXAMPLE: MD SCB Scenario #2 – Part B: Remittance Only

BPR*I*200.00*C*ACH*CCP*****20230710	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037298	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name
ENT*1	
RMR*12*7799621539*AJ*-300.00***26*-300.00	LDC Account Number and associated dollar amount
REF*6O*LDC20230501-001	Cross reference number to 867
RMR*12*3948195869*AJ*-795.00***26*-795.00	LDC Account Number and associated dollar amount
REF*6O*LDC20230501-002	Cross reference number to 867
RMR*12*7799621600*PO*1295.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC20230506-001	Cross reference number to 867 .

EXAMPLE: MD SCB Scenario #3 – Part A: Payment Only CCD+ Transaction

Cancel /Rebill 810 transactions do not come together. Received two 810 Invoice rebills. Gap of several business days or more for the replacement 810s.

BPR*C*1125.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*20230715	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037299	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name

EXAMPLE: MD SCB Scenario #3 – Part B: Remittance Only

BPR*I*1125.00*C*ACH*CCP*****20230715	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037299	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name
ENT*1	
RMR*12*7799621539*PO*325.00	LDC Account Number and associated dollar amount
REF*6O*LDC20230701-001	Cross reference number to 867.
RMR*12*3948195869*PO*800.00	LDC Account Number and associated dollar amount
REF*6O*LDC20230701-002	Cross reference number to 867.

EXAMPLE: MD SCB Scenario #4 – Part A: Correction to incorrect Write-Off - CCD+ Transaction

This example provides a reversal for a write-off sent for a bad amount and the replacement with the corrected write-off amount after discussion between the Supplier and Utility.

BPR*C*100.00*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*20230520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037297	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name

EXAMPLE: MD SCB Scenario #4 – Part B: Remittance Only

This Example has a write-off reversal and a replacement with a corrected write-off. Would result from the Utility flagging the Write-off as incorrect and having a conversation with the Supplier to reverse and send agreed upon amount for the write-Off.

BPR*I*100.00*C*ACH*CCP*****20230715	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037299	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name
ENT*1	
RMR*12*3965716919*AJ*300.00***CS*300.00	LDC Account Number and associated dollar amount (Reversal to clear bad write-off amount).
REF*11*3865200	ESP Account Number
REF*6O*LDC20230501-004	Cross reference number to 867.
RMR*12*3965716919*AJ*-200.00***72*-200.00	LDC Account Number and associated dollar amount
REF*11*3865200	ESP Account Number
REF*6O*LDC20230501-004	Cross reference number to 867.

EXAMPLE: MD SCB Scenario #5 – Part A: Payment Only CCD+ Transaction

BPR*C*29.27*C*ACH*CCP*01*031100047*DA*1234567***01*031201467*DA*7654321*20230520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037297	Trace Number

N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name

Scenario #5 – MD SCB Supplier submits credit via 820 to reduce the BPR02 value by the amount of the Supplier community solar credit identified on the Utility 810 transaction. This will be added to an existing 820 file along with current payments and adjustments.

EXAMPLE: MD SCB Scenario #5 – Part B: Remittance Only

Two SCB Invoice payments and a Community Solar Credit

BPR*1*795.00*C*ACH*CCP*****20230520	Handling code, total amount, credit indicator, intended settlement date.
TRN*1*76037297	Trace Number
N1*PE*LDC COMPANY*1*007909411	Payee Name
N1*PR*ESP COMPANY*1*007909422	Payer Name
ENT*1	
RMR*12*7799621539*PO*40.00	LDC Account Number and associated dollar amount
REF*11*3865186	ESP Account Number
REF*6O*LDC20230501-001	Cross reference number to 867 .
RMR*12*05511771780877777777*PO*20.66	LDC Account Number and associated dollar amount
REF*11*3865187	ESP Account Number
REF*6O*LDC20230501-002	Cross reference number to 867
RMR*12*05511771780877777777*AJ*-30.95***81*-30.95	LDC Account Number and associated Community Solar Credit dollar amount
REF*11*3865187	ESP Account Number
REF*6O*LDC20230501-002	Cross reference number to 867