

**Massachusetts
Gas
Implementation
Guideline**

For
Electronic Data Interchange

TRANSACTION SET

820

Payment/Remittance

Ver/Rel 004010

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>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>
M	010	ST	Transaction Set Header	M	1		
M	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
	050	REF	Remittance Tracking Number	O	>1		
M	060	DTM	Creation Date	M	>1		
						LOOP ID - N1	>1
M	070	N1	LDC	M	1		c1
						LOOP ID - N1	>1
M	070	N1	Supplier	M	1		c2

Detail:

	<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
M	010	ENT	Entity	M	1		n1, c3
						LOOP ID - RMR	>1
M	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	M	1		c4
M	170	REF	Supplier Account Number for Customer	M	>1		
	170	REF	Old LDC Account Number for Customer	O	>1		
	180	DTM	Date/Time Reference	O	>1		

Summary:

	<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>
M	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 N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.

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.

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:
Notes: ST*820*000000001

Data Element Summary

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set 820 Payment Order/Remittance Advice	
M	ST02	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	

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:

BPR*I*1000.00*C*ACH*****19990220

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BPR01	305	Transaction Handling Code Code designating the action to be taken by all parties I Remittance Information Only	M ID 1/2
M	BPR02	782	Monetary Amount Monetary amount This amount is always positive.	M R 1/18
M	BPR03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit C Credit Credit is when monies are due to Supplier. From LDC to Supplier. D Debit Debit is when monies are owed to LDC. Supplier to LDC.	M ID 1/1
	BPR04	591	Payment Method Code Code identifying the method for the movement of payment instructions This is only used when the BPR 03 is a credit. ACH Automated Clearing House (ACH)	O ID 3/3

CHK Check
FEW Federal Reserve Funds/Wire Transfer - Repetitive
FWT Federal Reserve Funds/Wire Transfer - Nonrepetitive

BPR16 373 Date O DT 8/8

Date expressed as CCYYMMDD

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

Segment: **REF** Remittance Tracking Number
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.

Comments:
Notes:

This is required when this is a credit situation. Monies owed from LDC to Supplier. Remittance tracking number. This would be the ACH number, wire transfer reference number or check number that would accompany this payment.
REF*TN*99887700

Data Element Summary

<u>Ref.</u>	<u>Des.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128		Reference Identification Qualifier	M ID 2/3
				Code qualifying the Reference Identification	
				TN Transaction Reference Number	
M	REF02	127		Reference Identification	M AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **DTM** Creation Date
Position: 060
Loop:
Level: Heading
Usage: Mandatory
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:

Notes:

DTM*097*20000102

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>M</u> <u>ID</u> <u>3/3</u>
M	DTM01	374 Date/Time Qualifier Code specifying type of date or time, or both date and time 097 Transaction Creation	M ID 3/3
M	DTM02	373 Date Date expressed as CCYYMMDD	M DT 8/8

Segment: N1 LDC
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.
Notes: N1*8S*LDC COMPANY*1*007909411**41 (as Sender)
 N1*8S*LDC COMPANY*9*0079094110001**41 (as Sender)

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		8S Consumer Service Provider (CSP)	
		Distribution Company	
M	N102	93 Name	M AN 1/60
		Free-form name	
		This is the Distribution's Company name.	
M	N103	66 Identification Code Qualifier	M ID 1/2
		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	
M	N104	67 Identification Code	M AN 2/80
		Code identifying a party or other code	
		This is the DUN & Bradstreet Number with or without the +4.	
M	N106	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		41 Submitter	

Segment: **N1 Supplier**
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.
Notes: N1*SJ*ESP COMPANY*9*0079094220001**40 (as Receiver)
 N1*SJ*ESP COMPANY*1*007909422**40 (as Receiver)

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		SJ Service Provider	
		Supplier	
M	N102	93 Name	M AN 1/60
		Free-form name	
		This is the Supplier's name.	
M	N103	66 Identification Code Qualifier	M ID 1/2
		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	
M	N104	67 Identification Code	M AN 2/80
		Code identifying a party or other code	
		This is the DUN & Bradstreet Number with or without the +4.	
M	N106	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		40 Receiver	

Segment: **ENT** Entity
Position: 010
Loop: ENT Mandatory
Level: Detail
Usage: Mandatory
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:

Comments:
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:
(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.
This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

Notes: ENT*1

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
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 Mandatory

Level: Detail

Usage: Mandatory

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.

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.

Notes: RMR*12*334455*PO*1000.00

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	RMR01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account LDC Account Number for Customer	M ID 2/3
M	RMR02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LDC Account Number for Customer	M AN 1/30
M	RMR03	482	Payment Action Code Code specifying the accounts receivable open item(s), if any, to be included in the cash application. AJ Adjustment The use of AJ is limited to the following: - Misapplied Payment - Returned check For example, if \$100 is sent to Energy Supplier #1, but the payment is not for an account of Energy Supplier #1, but is an account of Energy Supplier #2. The Utility would send \$100 payment to Energy Supplier #2, and an AJ code with \$100 credit to Energy Supplier #1. This can be either a positive or negative amount and is signed in RMR08.	M ID 2/2
		PO	Payment on Account This will always be a positive amount and can be found in RMR04.	

M

RMR04

782

Monetary Amount

M R 1/18

Monetary amount

The payment/adjustment amount. This amount is summed in BPR02. This will match RMR08 if RMR08 is used.

RMR07

426

Adjustment Reason Code

O ID 2/2

Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment

72 Authorized Return

Returned Check

D1 Transfer Between Accounts

Misapplied payments

RMR08

782

Monetary Amount

O R 1/18

Monetary amount

The adjustment amount. This amount should be signed if negative. For an adjustment to this current payment, this amount is also in RMR04.

Segment: **REF** Supplier Account Number for Customer
Position: 170
Loop: RMR Mandatory
Level: Detail
Usage: Mandatory
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: REF*11*2348400586

Data Element Summary

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

Segment: **REF** Old LDC Account Number for Customer
Position: 170
Loop: RMR Mandatory
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:
Notes: This segment is used at the discretion of each LDC. Please check with your LDC to see if they are using this segment or not.
REF*45*2348400586

Data Element Summary

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

Segment: **DTM** Date/Time Reference
Position: 180
Loop: RMR Mandatory
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:

Notes:

DTM*809*19990428

Data Element Summary

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

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.

Notes: SE*28*00000001

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
M	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	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	