

# **RHODE ISLAND Electronic Business Transactions Standard**

For

**E**lectronic  
**D**ata  
**I**nterchange

TRANSACTION SET

# **820**

## **Payment Order/ Remittance Advice**

**Ver/Rel 004010**

**Outbound to Energy Supplier**

August 2, 1999

**Summary of Changes**  
Initial Release – Version 99.1

# 820 Payment Order/Remittance Advice

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## Purpose

This Rhode Island Electronic Business Transaction (EBT) Implementation Standard contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) as prescribed in the RI EBT documentation for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set will be used to send a remittance advice only, identifying the detail needed to perform cash application and account adjustments to the payee's accounts receivable system. The remittance advice will go directly from payer to payee.

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## Notes

This Implementation Guideline was designed to support the business processes that occur between a local distribution utility (LDC) and a third-party energy service provider (ESP) when the LDC collects remittances on behalf of the ESP in a deregulated, alternative energy supply environment.

In the deregulated, alternative energy supply environment, the principal parties involved in this Transaction Set 820 implementation are:

- The utility distribution company (Code 8S) that has collected remittances from end use customers on behalf of the ESP
- The ESP (Code SJ) that supplied energy to the end use customer

# 820 Payment Order/Remittance Advice

## Best Practices

### Global Best Practices

#### Use of Text Segments

- The note (NTE) segment should be avoided because this segment is not machine-readable. Other text segments, such as MSG and PID, may be used if their use will lead to machine processable information in subsequent applications.

#### Use of ZZ Qualifier

- The use of data fields to transmit uncoded or textual information should be avoided. This practice is usually associated with the use of the ZZ qualifier as a normal course of doing business.

#### 997 - Functional Acknowledgment

- The purpose of the 997 is to verify receipt of a transmitted document only, not the acceptance of the document. For example, the acceptance of a purchase order (850) is accomplished through the use of the purchase order acknowledgment transaction (855).

#### Interchange Control Number

- A unique and sequential interchange control number should be used on every envelope that is transmitted to a trading partner. This approach will allow the receiver to audit the interchange for any duplicate or missing transmissions.

#### Use of Dun & Bradstreet (D-U-N-S) Number

- Dun & Bradstreet assigns a nine-digit identification number to every business entity. This number, known as the D-U-N-S number, should be used to identify the trading partners. A trading partner may append a four-digit suffix to the D-U-N-S number to uniquely identify a specific location within the entity; this number is referred to as a D-U-N-S + 4 number

#### Banking Transactions

- Guidelines that outline the use of transactions relating to interactions between a sender and the sender's financial institution are available from the Bankers EDI Council and the NACHA EDI Council. Other publications that address the use of financial payment transactions include Technical Report 1 (TR1) and Technical Report 2 (TR2); both of these publications are available from DISA.

#### Capitalization

- The use of all upper case (capital) letters is preferred over the use of mixed upper and lower case letters.

## Document-Specific Best Practices

### Values in Element BPR02

- The amount shown in BPR02 is the algebraic sum of all of the RMR04 amounts. The rules of the Automated Clearing House (ACH) system mandate that the BPR02 amount must always be positive.

### Use of the NM1 Segment

- The NM1 loop is used to identify the end use customer for consolidated consumer payments in the deregulated, alternative energy supply environment.

### Use of Element RMR08

- RMR08 may be used to apply an adjustment to the current payment or to a customer account balance.
- If the adjustment is to the current payment (for example, to show that invoiced taxes will not be paid), the amount in RMR04 is net of the amount in RMR08. In the example, RMR04 equals RMR05 minus RMR06 minus RMR08.
- If the adjustment is to a previous payment (for example, when the customer's check was returned for insufficient funds), the amount in RMR04 will be the same as the amount in RMR08.

## **Rhode Island Usage Notes – Narragansett Electric**

Note that in Rhode Island Retail Customer Choice, this transaction is used as a Remittance and Adjustment Advice only. Funds transfer will be accomplished via ACH, check, or other means subject to bilateral agreement between Narragansett Electric and each Supplier.

# 820 Payment Order/Remittance Advice

Functional Group ID=**RA**

## 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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
Must Use	050	REF	Reference Identification	O	>1		
	060	DTM	Date/Time Reference	O	>1		
Must Use			LOOP ID - N1			>1	
	070	N1	Name	O	1		c3

## 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	
Must Use	010	ENT	Entity	M	1		n1, c4
			LOOP ID - RMR			>1	
Must Use	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	M	1		c6
	170	REF	Reference Identification	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>
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

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

# 820 Payment Order/Remittance Advice

## RHODE ISLAND

### SEGMENT DETAIL GUIDE

Functional Group ID=**RA**

#### Introduction:

This Standard 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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
Must Use	050	REF	Reference Identification - Tracking number	O	1		
Must Use	060	DTM	Date/Time Reference - Creation	O	1		
<b>LOOP ID - N1 - Distribution</b>						1	
Must Use	070	N1	Name - Distribution Company	O	1		c1
<b>LOOP ID - N1 - Supplier</b>						1	
Must Use	070	N1	Name - Supplier	O	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>
<b>LOOP ID - ENT - Entity</b>						1	
Must Use	010	ENT	Entity	O	1		n1, c3
<b>LOOP ID - RMR - Remittance</b>						>1	
Must Use	150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		c4
Must Use	170	REF	Reference Identification - Supplier Account Number	O	1		
	180	DTM	Date/Time Reference - Posting	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>
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 N1 loop allows for name/address information for the payer and payee that would be utilized to address remittance(s) for delivery.
2. The N1 loop allows for name/address information for the payer and payee that 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

**RI Use:** Required  
**Example:** ST\*820\*00000001\

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set	M ID 3/3
			<b>820 Payment Order/Remittance Advice</b>	
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Unique number assigned by Sender's Translator	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  
**Notes:** If the algebraic sum calculated for BPR02 contains a negative value, BPR03 will contain 'D'. Otherwise, BPR03 will contain a 'C'.  
**RI Use:** Required  
**Example:** BPR\*I\*44.07\*C\*ACH\

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BPR01	305	<b>Transaction Handling Code</b> Code designating the action to be taken by all parties <b>I Remittance Information Only</b>	<b>M ID 1/2</b>
Must Use	BPR02	782	<b>Monetary Amount</b> Monetary amount Must always be a positive amount.	<b>M R 1/18</b>
Must Use	BPR03	478	<b>Credit/Debit Flag Code</b> Code indicating whether amount is a credit or debit <b>C Credit</b> Due Supplier <b>D Debit</b> Due Distribution Company	<b>M ID 1/1</b>
Must Use	BPR04	591	<b>Payment Method Code</b> Code identifying the method for the movement of payment instructions <b>ACH Automated Clearing House (ACH)</b>	<b>M ID 3/3</b>
	BPR16	373	<b>Date</b> Date expressed as CCYYMMDD Payer's intended settlement date	<b>O DT 8/8</b>

**Segment:** **REF** Reference Identification – Transaction Reference Number  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information

**RI Use:** Required  
**Example:** REF\*TN\*C004-01\

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	M ID 2/3
			<b>TN Transaction Reference Number</b>	
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction number assigned by the Distribution Company on 820 transactions originated by the Distribution Company and sent to the Supplier. This number should never be repeated in future transactions as it is used to identify a specific transaction generated by the Distribution Company.	X AN 1/30

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

**RI Use:** **Required**  
**Example:** DTM\*097\*\*\*\*D8\*19990721\

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time <b>097 Transaction Creation</b>	<b>M ID 3/3</b>
Must Use	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format <b>D8 Date Expressed in Format CCYYMMDD</b>	<b>X ID 2/3</b>
Must Use	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times File Creation Date	<b>X AN 1/35</b>

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**Segment:** **N1** Name - Distribution Company  
**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

**RI Use:** Required  
**Example:** N1\*8S\*\*1\*001193655\

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual	<b>M ID 2/3</b>
		8S	<b>Consumer Service Provider (CSP)</b> Distribution Company	
	N102	93	<b>Name</b> Free-form name Distribution Company Name (Text)	<b>X AN 1/60</b>
Must Use	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67)	<b>X ID 1/2</b>
		1	<b>D-U-N-S Number, Dun &amp; Bradstreet</b>	
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code Distribution Company D-U-N-S Number	<b>X AN 2/80</b>

RHODE ISLAND EBT GUIDES

**Segment:** **N1** Name - Supplier  
**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

**RI Use:** Required  
**Example:** N1\*SJ\*\*1\*99999999\

**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		SJ Service Provider Supplier	
	N102	93 Name Free-form name Supplier Company Name (Text)	X AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
Must Use	N104	67 Identification Code Code identifying a party or other code Supplier Company D-U-N-S Number	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 that are parties to a transaction and specify a reference meaningful to those entities

**RI Use:** Required  
**Example:** 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	
		Counter = 1	

**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  
**Notes:** In all cases, RMR01 and RMR02 identify only the item or account in the receiving party's system to which the payment is to be applied. For example, the originals invoice number for a vendor invoice or the account number for the end use customer.  
**RI Use:** Required  
**Example:** RMR\*12\*41701052010505\*PO\*44.07\

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	RMR01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
		12	<b>Billing Account</b> Distribution Company	
Must Use	RMR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
			Distribution Company - assigned account number for end use customer.	
Must Use	RMR03	482	<b>Payment Action Code</b> Code specifying the accounts receivable open item(s), if any, to be included in the cash application.	O ID 2/2
		AJ	<b>Adjustment</b> Adjustment of a previous payment.	
		PO	<b>Payment on Account</b>	
RMR04	782	<b>Monetary Amount</b> Monetary amount		O R 1/18
			The amount paid or adjusted. This amount is algebraically summed to BPR02.	
RMR07	426	<b>Adjustment Reason Code</b>		X ID 2/2
		48	<b>Service Charge</b> BAD CHECK	
		55	<b>Tax Deducted</b> SALES TAX	
		BD	<b>Bad Debt Adjustment</b> SUPPLIER WRITE-OFF	
		CS	<b>Adjustment</b> ADJUSTMENT	
		D1	<b>Transfer Between Accounts</b> TRANSFER	
		F1	<b>Defective</b> ARREARS INTEREST	
RMR08	782	<b>Monetary Amount</b> Monetary amount		X R 1/18

The adjustment amount. This amount should be signed if negative. For an adjustment to this current payment, this amount is also in RMR04. For an adjustment without impacting payment, NO amount in RMR04 will be shown.

**Segment:** **REF** Reference Identification - Supplier Account Number  
**Position:** 170  
**Loop:** RMR Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify identifying information

**RI Use:** Required  
**Example:** REF\*11\*S1234567890123\

**Data Element Summary**

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

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

**RI Use:** Required  
**Example:** DTM\*809\*\*\*\*D8\*19990721\

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	<b>M ID 3/3</b>
			<b>809 Posted</b>	
Must Use	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format	<b>X ID 2/3</b>
			<b>D8 Date Expressed in Format CCYYMMDD</b>	
Must Use	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	<b>X AN 1/35</b>
			Posting Date	

**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)

<b>RI Use:</b>	<b>Required</b>
<b>Example:</b>	<b>SE*0000000011*000000001\</b>

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329	<b>Transaction Set Control Number</b> 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