

**Instructions:** Using the enclosed 820 Remittance Advice/Payment Order Mapping specifications and the sample raw EDI data 820 transaction, fill in the blank paper REMITTANCE ADVICE SLIP.

**Remittance Advice Slip**

**General Information**

<b>Total Remittance Amount Paid:</b>	
<b>Payer's ABA Routing # :</b>	
<b>Payer's Demand Deposit Account Number:</b>	
<b>Payee's ABA Routing #:</b>	
<b>Payee's Demand Account Number :</b>	
<b>Date Created:</b>	

**Remittance Trace Information**

**Transaction Trace Numbers:**

<b>Payer Name:</b>	<b>Payee Name:</b>
<b>Payer Duns #:</b>	

**Remittance Advice Accounts Receivable Open Item Reference: (1 of 3)**

Seller's Invoice Number:
Invoice Date:
Amount Paid:
Amount Invoiced:
Amount of Discount Taken :

**Adjustment Information:**

Adjustment Amount :
Adjustment Reason:

**Remittance Advice Accounts Receivable Open Item Reference: (2 of 3)**

Seller's Invoice Number:
Invoice Date:
Amount Paid:
Amount Invoiced:
Amount of Discount Taken :
PO #:

**Adjustment Information:**

Adjustment Amount :
Adjustment Reason:

**Remittance Advice Accounts Receivable Open Item Reference: (3 of 3)**

Accounts Receivable Open Item Number:
Amount Paid :

ST\*820\*0001

BPR\*C\*120.01\*C\*ACH\*CTX\*01\*99999999\*DA\*12345678912\*1311234567\*\*01\*054781897\*DA\*182389281\*20030129

TRN\*1\*EP10019

N1\*PR\*JONES PLUMBING\*1\*807685339

N1\*PE\*SMITH FAUCETS

ENT\*1

RMR\*IV\*3920394930203\*\*30.01\*40.01\*2

REF\*R7\*3920394930203

DTM\*003\*20030123

ADX\*-8\*01\*TD\*USED CATALOG 199JAN2003

RMR\*IV\*254221222500\*\*45\*50.01\*4

REF\*PO\*5722319\*MARKETING DEPARTMENT ORDER

DTM\*003\*20030125

ADX\*-1.01\*04

RMR\*R7\*21222500\*\*45

SE\*16\*0001

This exercise is intended to demonstrate the use of Mapping Specifications and how machine-processable EDI standard file might look on a real business document.

Instructions: Using the enclosed 820 Remittance Advice/Payment Order Mapping specifications and the sample raw EDI data 820 transaction, fill in the blank paper REMITTANCE ADVICE SLIP.

**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.

**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.
- 3 BPR06 and BPR07 relate to the originating depository financial institution (ODFI).
- 4 BPR08 is a code identifying the type of bank account or other financial asset.
- 5 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.
- 6 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).
- 7 BPR14 is a code identifying the type of bank account or other financial asset.
- 8 BPR15 is the account number of the receiving company to be debited or credited with the payment order.
- 9 BPR16 is the date the originating company intends for the transaction to be settled (i.e., Payment Effective Date).

**Comments:**

- 1 For security reasons, to prevent identify theft of originating account information, BPR06-09 are not recommended in the STP initiative.

**Example:**

BPR\*C\*120.01\*C\*ACH\*CTX\*\*\*\*\*1311234567\*\*01\*021000021\*DA\*182389281\*20030129\

**Data Element Summary**

<u>EPN/STP Impl. Use</u>	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BPR01	305	Transaction Handling Code Code designating the action to be taken by all parties C Payment Accompanies Remittance Advice	M ID 1/2
Must Use	BPR02	782	Payment Amt	M R 1/10

Maps to NACHA 6 Record 30-39 (Total Amount).  
 Note: The NACHA amount field does not include commas or a decimal point. The rightmost two positions of the NACHA amount field represent cent values.



<b>EPN/STP Impl. Use</b>	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Not Used	BPR11	510	<p>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</p> <p>Use "*" as place holder</p>	O AN 9/9
Required	BPR12	506	<p><b>(RDFI) ID Number Qualifier</b></p> <p>Code identifying the type of identification number of Depository Financial Institution (DFI)</p> <p>01 ABA Transit Routing Number Including Check Digits (9 digits)</p> <p>In the STP 820 Specification the inclusion of this field is recommended.</p>	X ID 2/2
Required	BPR13	507	<p><b>(RDFI) Identification Number</b></p> <p>Depository Financial Institution (DFI) identification number Transit ABA number and check digit of the Receivers bank (RDFI)</p> <p>Maps to NACHA 6 record 4-12 (Receiving DFI Identification)</p> <p>In the STP 820 Specification the inclusion of this field is recommended.</p>	X AN 9/9
Required	BPR14	569	<p><b>Account Number Qualifier</b></p> <p>Code indicating the type of account Code values 22 for Demand Deposit</p> <p>DA Demand Deposit</p> <p>Maps to NACHA 6 record 02-03 (Transaction Code)</p> <p>In the STP 820 Specification the inclusion of this field is recommended</p>	O ID 1/3
Required	BPR15	508	<p><b>Account Number</b></p> <p>Account number assigned Receivers Account Number</p> <p>Maps to NACHA 6 record 13-29 (DFI Account Number)</p> <p>In the STP 820 Specification the inclusion of this field is recommended</p>	X AN 1/17
	BPR16	373	<p><b>Date</b></p> <p>Date expressed as CCYYMMDD Transaction Value Date</p> <p>Mapped to NACHA 5 record 70-75 (Effective Entry Date in the format YYMMDD)</p>	O DT 8/8

**Segment:** **TRN Trace**  
**Position:** 035  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a transaction to an application  
**Syntax Notes:**  
**Semantic Notes:** 1 TRN02 provides unique identification for the transaction.  
 Electronic Payment reference number may be equivalent to a check serial number.  
**Comments:**  
**Notes:** The purpose of this segment is to uniquely identify this transaction.  
**Examples:** TRN\*1\*EP10019\

**Data Element Summary**

<u>EPN/STP Ref</u>	<u>Impl. Use Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TRN01	481	<b>Trace Type Code</b> Code identifying which transaction is being referenced 1 Current Transaction Trace Number	M ID 1/2
Must Use	TRN02	127	<b>Reference Identification Number</b>  Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  <b>To be used to identify the electronic payment reference number – equivalent to a check serial number.</b>	M AN 1/30

**Segment:** **N1** **Originator Name Identification**  
**Position:** 065  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 N101 and N102 are required.

**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification.

**Notes:** **The first N1 loop is used to identify the Originator of the payment.**

**Example:** N1\*PR\*JONES PLUMBING\*91\*123456789012345\

**Data Element Summary**

EPN/STP Ref	Data	Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PR Payer	
Must Use	N102	93	Name	X AN 1/16
			Free-form name	
			Originating Company Name	
			Mapped to NACHA 5 Record 5-20 (Company Name)	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		9	01 DUNS NUMBER	
Must Use	N104	67	Identification Code	X AN 2/80
			PAYER'S DUNS #	
			Code identifying a party	

**Segment:** **N1 Receiver Name Identification**  
**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 N101 and N102 are required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification.  
**Notes:** The second N1 loop is used to identify the Receiver of the Payment.

**Example:** N1\*PE\*SMITH FAUCETS\

**Data Element Summary**

EPN/STP Ref	Impl. Use	Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	PE	Payee
Must Use	N102	93	Name		X AN 1/16
			Free-form name		
			Receiver Name		
			Mapped to NACHA 6 Record 59-74 (Receiving Company Name/ID Number)		

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**Segment:** **ENT** Entity  
**Position:** 010  
**Loop:** ENT Mandatory  
**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:**  
**Semantic Notes:**  
**Comments:** In this implementation, subsidiary accounting will not be utilized.

**Example:** ENT\*1\

**Data Element Summary**

EPN/STP Ref	Data	Name	Attributes
<u>Impl. Use Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ENT01	554	Assigned Number Number assigned for differentiation within a transaction set

**This element will always contain a sequential number starting with 1 and incremented by 1.**

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

**Position:**       **on:** 150

**Loop:** RMR   Mandatory

**Level:** Detail

**Usage:** M   andatory

**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.

**Semantic Notes:**   **1** RMR04 is the amount paid.

**2** 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.

**3** RMR06 is the amount of discount or adjustment taken, if the adjustment segment is not used.

**Comments:**       **1** RMR04 is the net amount being paid inclusive of discounts and adjustments. When paying an original invoice the calculation of the RMR04 is: (RMR05 - RMR06 (Discounts) + (ADX01 (Adjustment))). For this implementation, adjustments (ADX01) are always signed negative.

**2** Additional explanatory notes can be added in the REF segment REF03. ADX04 may also be utilized to provide additional comments. The explanatory notes will not be automatically processed by the AR application.

**3** The sum of all RMR04 data elements should equal BPR02.

**Notes:**           **1** **If no invoice number can be provided, the RMR segment may include the PO or other identifier, which identifies the item being paid.**

**2** **If both invoice and PO are provided, put the invoice in the RMR and PO in the REF segment.**

**3** **If RMR04 = RMR05, only use RMR04.**

**4** **RMR06 is the amount of discount or adjustment taken, if the adjustment segment is not used.**

**5**                   **RMR04 is the net amount being paid inclusive of discounts and adjustments.**

**When paying an original invoice, the calculation of the RMR04 is: (RMR05 - RMR06 (Discounts) + (ADX01 (Adjustment))). For this implementation, adjustments (ADX01) are always signed negative.**

**6. Additional explanatory notes can be added in the REF segment REF03. ADX04 may also be utilized to provide additional comments. The explanatory notes will not be automatically processed by the AR application.**

**7** **The sum of all RMR04 data elements should equal BPR02.**

**8** **When RMR01 = IV, RMR05 and the DTM segment is required, DTM01 should be 003 (invoice) and the DTM02 is required.**

**Example:**        RMR\*IV\*3920394930203\*\*30.01\*40.01\*2\  
                          RMR\*IV\*254221222500\*\*45\*50.01\*4\  
                          RMR\*R7\*21222500\*\*45\

**Data Element Summary**

<b>EPN/STP Impl. Use</b>	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
Required	RMR01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification IV Seller's Invoice Number If used the DTM01 and DTM02 are required. PO Purchase Order Number R7 Accounts Receivable Open Item	X ID 2/3
Required	RMR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  <b>Seller's Invoice Number, PO or any other document identified.</b>	X AN 1/30
Not Used	RMR03	482	<b>Payment Action Code</b> Code specifying the accounts receivable open item(s), if any to be included in the cash application Use "*" as place holder	
Required	RMR04	782	<b>Monetary Amount</b> Monetary amount <b>Amount Paid</b> The dollar amount must be from .01 to a maximum of 99,999,999.99.  The X12 standard specifies that the decimal point must be included only if there are cent values. <i>The use of triad separators (commas) is expressly prohibited in the X12 Standard.</i> For further explanation, refer to Decimal Number - Data Element Types.	M R 1/10
Optional	RMR05	782	<b>Monetary Amount</b> Monetary amount <b>Invoice Amount</b> including charges (less allowance), before terms discounts or debit amount of referenced items.  The dollar amount must be from .01 to a maximum of 99,999,999.99.  The X12 standard specifies that the decimal point must be included only if there are cent values. <i>The use of triad separators (commas) is expressly prohibited in the X12 Standard.</i> For further explanation, refer to Decimal Number - Data Element Types.	O R 1/10
Optional	RMR06	782	<b>Monetary Amount</b> Monetary amount <b>Amount of discount taken</b> This field is used to indicate dollar discount taken when no further explanation is required. The ADX segment may be used if further explanation of adjustment is required.  This value is a positive number and will be subtracted from the Invoice Amount (RMR05.)  The dollar amount must be from .01 to a maximum of 99,999,999.99.	O R 1/10



**Segment: DTM** Date/Time Reference

**Position:** 180

**Loop:** RMR Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify pertinent dates and times

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Notes:** 1 May be used to specify date of invoice or document specified as referenced in RMR02.

2 When RMR01 = IV, RMR05, DTM01 and DTM02 are required. DTM01 should be 003 (invoice).

**Example:** DTM\*003\*20030123\  
 DTM\*003\*20030125\  
 DTM\*003\*20030129\  
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**Data Element Summary**

EPN/STP Ref	Impl. Use	Des.	Element	Data Name	Attributes
Must Use	DTM01	374	Date/Time Qualifier		M ID 3/3
			Code specifying type of date or time, or both date and time		
			003	Invoice	
			004	Purchase Order	
			092	Contract Effective	
Optional	DTM02	373	Date		X DT 8/8
			Date expressed as CCYYMMDD		
			Seller's Invoice Date, PO Date or date of document specified as referenced in RMR02		

**Segment:** **ADX** Adjustment

**Position:** 210

**Loop:** ADX Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To convey accounts-payable adjustment information for the purpose of cash application, including payer-generated debit/credit memos

**Syntax Notes:** 1 If either ADX03 or ADX04 is present, then the other is required.

**Semantic Notes:** 1 ADX01 specifies the amount of the adjustment and must be signed if negative. If negative, it reduces the payment amount; if positive, it increases the payment amount.  
 2 ADX02 specifies the reason for claiming the adjustment.  
 3 ADX03 and ADX04 specify the identification of the adjustment.

**Comments:** 1 The ADX segment is provided to enable invoices or POs not fully paid to be processed electronically by AR applications by providing a level of automation with a small set of adjustment codes.  
 2 Only one ADX is permitted per RMR.

**Notes:** 1 Only one ADX segment per RMR may used to define an adjustment code and dollar amount indicating a difference in the payment of the invoice or PO or other open item.  
 2 This ADX loop contains an adjustment that is netted to the preceding RMR segment in this transaction, for example an allowance taken for missing items pertaining to this remittance item (invoice or PO or open item).  
 3 In the STP 820 Implementation, the ADX is not intended to provide a vehicle to define line item related differences but rather to identify one adjustment amount to one or more items in the associated invoice or open item. Select and use one adjustment reason code to represent the sum of all adjustments. Use ADX04 to provide additional explanation if desired.

**Example:** ADX\*-8\*01\*TD\*USED CATALOG 199JAN2003\  
 ADX\*-1.01\*04\  
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**Data Element Summary**

<u>EPN/STP</u> <u>Impl. Use</u>	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ADX01	782	Monetary Amount	M R 1/10

**For this implementation, this field will always be negative.**

The dollar amount **must be from .01 to a maximum of 99,999,999.99.**

The X12 standard specifies that the decimal point must be included only if there are cent values. *The use of triad separators (commas) is expressly prohibited in the X12 Standard.* For further explanation, refer to Decimal Number - Data Element Types.

<b><u>EPN/STP Impl. Use</u></b>	<b><u>Ref. Des.</u></b>	<b><u>Data Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>ADX02</b>	<b>426</b>	<b>Adjustment Reason Code</b> Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment 01 Pricing Error 03 Extension Error 04 Item Not Accepted - Damaged 05 Item Not Accepted - Quality 06 Quantity Contested 07 Incorrect Product 11 Returns - Damage 12 Returns - Quality 59 Item not received 75 Total order not received 81 Credit as Agreed CM Covered by Credit Memo	<b>M ID 2/2</b>
	<b>ADX03</b>	<b>128</b>	<b>Reference Identifier Qualifier</b> Code qualifying the Reference Identification TD Reason for Change	<b>X ID 2/3</b>
	<b>ADX04</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  Used to provide additional descriptive information regarding adjustments taken	<b>X AN 1/30</b>