



**To: Electronic Data Interchange (EDI) Partners:**

**Following are our Utility Industry Group compliant EDI 820 version 4010 guidelines for your use in implementing EDI. A sample payment transaction can be found on page 22.**

**Should you have questions regarding EDI, contact Sam White at (404) 506-2457 or Mike Holladay at (404) 506-1464. We look forward to helping you improve your business and meeting your energy needs.**

**Southern Company  
Implementation Guideline for  
EDI 820  
Payment Order/Remittance Advice  
Version 004010**

# 820

# Payment Order/Remittance Advice

## Functional Group=RA

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.

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		

### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
035	TRN	Trace	O	1		
050	REF	Reference Identification	O	>1		

<u>LOOP ID - N1</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
	N1	Name	O	1	≥1	-
	PER	Administrative Communications Contact	O	>1		

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - ENT</u>					≥1	<u>N2/010L</u>
010	ENT	Entity	O	1		N2/010
<u>LOOP ID - NM1</u>					≥1	-
020	NM1	Individual or Organizational Name	O	1		
040	N3	Address Information	O	>1		
060	REF	Reference Identification	O	>1		

<u>LOOP ID - RMR</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1	≥1	-
	REF	Reference Identification	O	>1		

### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	SE	Transaction Set Trailer	M	1		

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

### Note:

Southern Company will accept all X12 compliant segments within this transaction, but only those identified in this guideline are used.

# ISA

# Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		00      No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	1
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		00      No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	<b>Security Information</b>	M	AN	10/10	1
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		01      Duns (Dun & Bradstreet)				
		12      Phone (Telephone Companies)				
		14      Duns Plus Suffix				
		16      Duns Number With 4-Character Suffix				
		17      American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit)				
		ZZ      Mutually Defined				
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	1
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		01      Duns (Dun & Bradstreet)				
		12      Phone (Telephone Companies)				
		14      Duns Plus Suffix				
		16      Duns Number With 4-Character Suffix				
		17      American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit)				
		ZZ      Mutually Defined				
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	1
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	1
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	1
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	1
		<u>Code</u> <u>Name</u>				
		U      U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	1
		<u>Code</u> <u>Name</u>				
		00401      Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	1
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	1
		<u>Code</u> <u>Name</u>				
		0      No Acknowledgment Requested				
		1      Interchange Acknowledgment Requested				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	1
		<u>Code</u> <u>Name</u>				
		P      Production Data				
		T      Test Data				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	1

# GS

## Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

To indicate the beginning of a functional group and to provide control information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		RA              Payment Order/Remittance Advice (820)				
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	1
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	1
GS04	373	<b>Date</b>	M	DT	8/8	1
GS05	337	<b>Time</b>	M	TM	4/8	1
GS06	28	<b>Group Control Number</b>	M	NO	1/9	1
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	1
		<u>Code</u> <u>Name</u>				
		X              Accredited Standards Committee X12				
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	1
		<u>Code</u> <u>Name</u>				
		004010      Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

# ST

## Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	1
		<u>Code</u> <u>Name</u>				
		820                Payment Order/Remittance Advice				
ST02	329	Transaction Set Control Number	M	AN	4/9	1

# BPR

# Beginning Segment for Payment Order/Remittance Advice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 15

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
BPR01	305	<b>Transaction Handling Code</b>	M	ID	1/2	1
		<u>Code</u> <u>Name</u>				
		C              Payment Accompanies Remittance Advice				
BPR02	782	<b>Monetary Amount</b>	M	R	1/18	1
BPR03	478	<b>Credit/Debit Flag Code</b>	M	ID	1/1	1
		<u>Code</u> <u>Name</u>				
		C              Credit				
BPR04	591	<b>Payment Method Code</b>	M	ID	3/3	1
		<u>Code</u> <u>Name</u>				
		ACH            Automated Clearing House (ACH)				
		X12            X12				
BPR05	812	<b>Payment Format Code</b>	O	ID	1/10	1
		<u>Code</u> <u>Name</u>				
		CTX            Corporate Trade Exchange (CTX) (ACH)				
BPR06	506	<b>(DFI) ID Number Qualifier</b>	C	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		01            ABA Transit Routing Number Including Check Digits (9 digits)				
BPR07	507	<b>(DFI) Identification Number</b>	C	AN	3/12	1
		<i>Originating Bank routing ID</i>				
BPR08	569	<b>Account Number Qualifier</b>	O	ID	1/3	1
		<u>Code</u> <u>Name</u>				
		DA            Demand Deposit				
		ALC            Agency Location Code (ALC)				
BPR09	508	<b>Account Number</b>	C	AN	1/35	1
		<i>Bank account number of party originating payment.</i>				
BPR10	509	<b>Originating Company Identifier</b>	O	AN	10/10	1
BPR12	506	<b>(DFI) ID Number Qualifier</b>	C	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		01            ABA Transit Routing Number Including Check Digits (9 digits)				
BPR13	507	<b>(DFI) Identification Number</b>	C	AN	3/12	1
		<i>Destination Bank routing ID</i>				
BPR14	569	<b>Account Number Qualifier</b>	O	ID	1/3	1
		<u>Code</u> <u>Name</u>				
		DA            Demand Deposit				
BPR15	508	<b>Account Number</b>	C	AN	1/35	1
		<i>Bank account number of party receiving payment.</i>				
BPR16	373	<b>Date</b>	O	DT	8/8	1
		<i>Transaction settlement date</i>				

## Syntax:

1. P0607 - If either BPR06,BPR07 is present, then all are required
2. C0809 - If BPR08 is present, then all of BPR09 are required
3. P1213 - If either BPR12,BPR13 is present, then all are required
4. C1415 - If BPR14 is present, then all of BPR15 are required
5. P1819 - If either BPR18,BPR19 is present, then all are required
6. C2021 - If BPR20 is present, then all of BPR21 are required

# TRN

# Trace

Pos: 035	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

To uniquely identify a transaction to an application

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
TRN01	481	Trace Type Code	M	ID	1/2	1
		<u>Code</u> <u>Name</u>				
		1              Current Transaction Trace Numbers				
TRN02	127	Reference Identification	M	AN	1/30	1



# REF

## Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

To specify identifying information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		TN              Transaction Reference Number				
REF02	127	Reference Identification	C	AN	1/30	1

### Syntax:

1. R0203 - At least one of REF02,REF03 is required

### Note:

*REF segment used to send bank trace number if not sent in TRN segment*

# N1

## Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		AG            Agent/Agency				
		PE            Payee				
		PR            Payer				
N102	93	<b>Name</b>	C	AN	1/60	1
N103	66	<b>Identification Code Qualifier</b>	C	ID	1/2	1
		<u>Code</u> <u>Name</u>				
		1             D-U-N-S Number, Dun & Bradstreet				
N104	67	<b>Identification Code</b>	C	AN	2/80	1

### Syntax:

1. R0203 - At least one of N102,N103 is required
2. P0304 - If either N103,N104 is present, then all are required

# PER

## Administrative Communications Contact

Pos: 120	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

To identify a person or office to whom administrative communications should be directed

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
PER01	366	Contact Function Code	M	ID	2/2	1
PER02	93	Name	O	AN	1/60	1
PER03	365	Communication Number Qualifier	C	ID	2/2	1
		<u>Code</u> <u>Name</u>				
		TE                Telephone				
PER04	364	Communication Number	C	AN	1/80	1

### Syntax:

1. P0304 - If either PER03,PER04 is present, then all are required
2. P0506 - If either PER05,PER06 is present, then all are required
3. P0708 - If either PER07,PER08 is present, then all are required

# ENT

# Entity

Pos: 010	Max: 1
Detail - Optional	
Loop: ENT	Elements: 4

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
ENT01	554	Assigned Number	O	NO	1/6	1
ENT02	98	Entity Identifier Code	C	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		AG            Agent/Agency				
ENT03	66	Identification Code Qualifier	C	ID	1/2	1
		<u>Code</u> <u>Name</u>				
		94            Code assigned by the organization that is the ultimate destination of the transaction set				
ENT04	67	Identification Code	C	AN	2/80	1

## Syntax:

1. P020304 - If either ENT02,ENT03,ENT04 is present, then all are required
2. P050607 - If either ENT05,ENT06,ENT07 is present, then all are required
3. P0809 - If either ENT08,ENT09 is present, then all are required

## Note:

*ENT02, ENT03 and ENT04 are used when sending the name or identification of a payment agent.*

# NM1

## Individual or Organizational Name

Pos: 020	Max: 1
Detail - Optional	
Loop: NM1	Elements: 3

To supply the full name of an individual or organizational entity

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
NM101	98	<b>Entity Identifier Code</b>	M	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		BY      Buying Party (Purchaser)				
		PR      Payer				
		ZZ      Mutually Defined				
NM102	1065	<b>Entity Type Qualifier</b>	M	ID	1/1	1
		<u>Code</u> <u>Name</u>				
		1      Person				
		3      Unknown				
		4      Corporation				
		6      Organization				
NM103	1035	<b>Name Last or Organization Name</b>	O	AN	1/35	1

### Syntax:

1. P0809 - If either NM108,NM109 is present, then all are required
2. C1110 - If NM111 is present, then all of NM110 are required

# N3

## Address Information

Pos: 040	Max: >1
Detail - Optional	
Loop: NM1	Elements: 2

To specify the location of the named party

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
N301	166	Address Information	M	AN	1/55	1
N302	166	Address Information	O	AN	1/55	1

# REF

## Reference Identification

Pos: 060	Max: >1
Detail - Optional	
Loop: NM1	Elements: 2

To specify identifying information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		TN              Transaction Reference Number				
REF02	127	Reference Identification	C	AN	1/30	1

### Syntax:

1. R0203 - At least one of REF02,REF03 is required

### Note:

*REF segment used to send bank trace number if not sent in TRN segment or in REF at header level*

# NTE

## Note/Special Instruction

Pos: 090	Max: >1
Detail - Optional	
Loop: ADX	Elements: 2

To transmit information in a free-form format, if necessary, for comment or special instruction

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
NTE01	363	<b>Note Reference Code</b>	O	ID	3/3	1
NTE02	352	<b>Description</b> <i>Adjustment Notes</i>	M	AN	1/80	1



# RMR

# Remittance Advice Accounts Receivable Open Item Reference

Pos: 150	Max: 1
Detail - Optional	
Loop: RMR	Elements: 6

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
RMR01	128	<b>Reference Identification Qualifier</b>	C	ID	2/3	1
		<b>Code</b> <b>Name</b>				
		11      Account Number				
		CR      Customer Reference Number				
		IN      Consignee's Invoice Number				
		IV      Seller's Invoice Number				
		OI      Original Invoice Number				
		PO      Purchase Order Number				
RMR02	127	<b>Reference Identification</b>	C	AN	1/30	1
		<i>Account number to which payment is to be applied</i>				
RMR03	482	<b>Payment Action Code</b>	O	ID	2/2	1
		<b>Code</b> <b>Name</b>				
		PO      Payment on Account				
RMR04	782	<b>Monetary Amount</b>	O	R	1/18	1
		<i>Payment Amount</i>				
RMR05	782	<b>Monetary Amount</b>	O	R	1/18	1
		<i>Total Invoice Amount</i>				
RMR06	782	<b>Monetary Amount</b>	O	R	1/18	1
		<i>Discount or credit taken</i>				

## Syntax:

1. P0102 - If either RMR01,RMR02 is present, then all are required
2. P0708 - If either RMR07,RMR08 is present, then all are required

## Note:

*RMR02 and RMR04 are mandatory elements for Southern Company payments*

# REF

## Reference Identification

Pos: 170	Max: >1
Detail - Optional	
Loop: RMR	Elements: 2

To specify identifying information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	1
		<u>Code</u> <u>Name</u>				
		TN            Transaction Reference Number				
REF02	127	Reference Identification	C	AN	1/30	1

### Syntax:

1. R0203 - At least one of REF02,REF03 is required

### Note:

*REF segment used to send bank trace number if not sent in TRN segment or in REF at header level*

# SE

## Transaction Set Trailer

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
SE01	96	Number of Included Segments	M	NO	1/10	1
SE02	329	Transaction Set Control Number	M	AN	4/9	1

# GE

## Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of a functional group and to provide control information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included	M	NO	1/6	1
GE02	28	Group Control Number	M	NO	1/9	1

# IEA

## Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Rep</u>
IEA01	116	Number of Included Functional Groups	M	NO	1/5	1
IEA02	112	Interchange Control Number	M	NO	9/9	1

**SAMPLE 820 VERSION 4010**

ISA\*00\* \*00\* \*ZZ\*XXXXXXXXXX \*01\*XXXXXXXXXX \*030814\*0738\*U\*00401\*000001107\*0\*P\*\|  
GS\*RA\*XXXX\*XXXXXXXXXX\*20030814\*0738\*604\*X\*004010\  
ST\*820\*000000001\  
BPR\*C\*3868.1\*C\*ACH\*CTX\*01\*XXXXXXXX\*DA\*XXXXXXXX\*XXXXXXXXXX\*\*01\*XXXXXXXX\*DA\*XXXXXXXXXX\*20030813\  
TRN\*1\*075000050274894\  
DTM\*097\*20030813\*0510\*CS\  
N1\*PE\*SAVANNAH ELECTRIC & POWER COMPANY\*91\*2036930\  
ENT\*1\  
RMR\*IV\*577901401901\*\*263.22\  
ENT\*2\  
RMR\*IV\*8984009018\*\*113.77\  
ENT\*3\  
RMR\*IV\*8170012047\*\*238.24\  
ENT\*4\  
RMR\*IV\*7461000043\*\*393.81\  
ENT\*5\  
RMR\*IV\*8679008012\*\*239.85\  
ENT\*6\  
RMR\*IV\*0970007017\*\*388.85\  
ENT\*7\  
RMR\*IV\*580001401401\*\*278.95\  
ENT\*8\  
RMR\*IV\*302700302621\*\*32.08\  
ENT\*9\  
RMR\*IV\*089329600102\*\*312.96\  
ENT\*10\  
RMR\*IV\*038500801504\*\*329\  
ENT\*11\  
RMR\*IV\*2608004022\*\*200\  
ENT\*12\  
RMR\*IV\*7499013014\*\*217.99\  
ENT\*13\  
RMR\*IV\*506301401820\*\*152.96\  
ENT\*14\  
RMR\*IV\*5004003020\*\*231.95\  
ENT\*15\  
RMR\*IV\*6433009017\*\*115\  
ENT\*16\  
RMR\*IV\*617901401802\*\*185\  
ENT\*17\  
RMR\*IV\*0997523001\*\*174.47\  
SE\*40\*000000001\  
GE\*1\*604\  
IEA\*1\*000001107\