



Electronic
Data
Interchange

EDI Implementation Guidelines

Version 4010
820
Payment Order/Remittance Advice

820 • Payment Order/Remittance Advice**Introduction:**

The 820 standard provides the format and established the data content of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Exchange (EDI) environment. This transaction is used to transmit remittance and/or payment information to a bank with instructions to begin funds transfer. The bank subsequently passes the funds transfer to PSNC Energy's bank along with the 820 detail. At settlement, PSNC Energy's bank passes the 820 to PSNC Energy.

The Transaction:

A Transaction Set is used to describe the electronic transmission of a document (Payment Order/Remittance Advice) between the systems of the companies.

EDI transactions are defined by segments, and each item within the segment becomes a data element. Segment ID Name, Data Element Type, and Data Element Length are described below. These identifiers are listed for each Data Element throughout these guidelines.

Segment ID Name:

Header	
ISA	Interchange Control Header
GS	Transaction Group Header
ST	Transaction Set Header
BPR	Beginning Segment for Payment Order/Remittance Advice
TRN	Trace
REF	Reference Identification
DTM	Date/Time Reference
N1	Name

Detail	
ENT	Entity
RMR	Remittance Advice Accounts Receivable Open Item Reference
REF	Reference Identification
DTM	Date/Time Reference

Trailer	
SE	Transaction Set Trailer
GE	Functional Group Trailer

820 • Payment Order/Remittance Advice

IEA	Interchange Control Trailer
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Date Element Type:

Nn	Numeric	N indicates that it is numeric; n indicates decimal place.
R	Decimal	R indicates an optional decimal point for integer values or a required decimal for decimal values.
ID	Identifier	A specific code taken from a defined table.
AN	String	A series of alpha/numeric characters, such as a company name.
DT	Date	Date expressed as CCYYMMDD.
TM	Time	HHMM expressed in a 24-hour clock format.

Data Element Length:

The minimum length and maximum length of the characters in the data element. For example, "1/15" indicates that '1' is the minimum acceptable value and '15' is the maximum acceptable value.

Sample 820:

Note: Fields are delimited by asterisk.

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ISA*00*      *00*      *01*      *01*007919517*980702*1709*U*0410*000000002*0*P*@
GS*RA*CUSTID0001*007919517*20030101*1530*0001*X*004010
ST*820*000000001
BPR*C*10000*C*ACH*CTX*01*xxxx*xx*xxxx*CUSTID0001*xxxx*01*053207766*DA*320704026*20030101
TRN*1*0001* CUSTID0001
REF*TN*0001
DTM*007*20030101*1200*ET
N1*PR*CUSTOMER NAME*01*
N1*PE*PSNC*01*007919517
ENT*1
RMR*12*5189800007544*PO*5000
REF*12*5189800007544
DTM*814*20030101
SE*18*000000001
GE*1*0001
IEA*1* 000000002
    
```

820 • Payment Order/Remittance Advice

Segment: **ISA** Interchange Control Header

Level: Header

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

Example: ISA*00* *00* *01* *01*007919517*980702*1709*U*0410*000000002*0*P*@

Segment	Name	Min/Max Field Length	Type	Contents
ISA01	Functional ID Code	2/2	ID	'00' – No Authorization Information Present (No meaningful information in ISA02).
ISA02	Authorization Information	10/10	AN	(10 blanks)
ISA03	Security Information Qualifier	2/2	ID	'00' – No Security Information Present (No meaningful information in ISA04).
ISA04	Security Information	10/10	AN	(10 blanks)
ISA05	Interchange ID Qualifier	2/2	ID	'01' – DUNS
ISA06	Interchange Sender ID	15/15	AN	(15 blanks)
ISA07	Interchange ID Qualifier	2/2	ID	'01' – DUNS
ISA08	Interchange Receiver ID	15/15	AN	'007919517' – PSNC DUNS number.
ISA09	Interchange Date	6/6	DT	Expressed as YYMMDD
ISA10	Interchange Time	4/4	TM	Time
ISA11	Interchange Control Standards ID	1/1	ID	'U' – U.S. EDI Community of X12.
ISA12	Interchange Control Version Number	5/5	ID	'04010' – Version 4010
ISA13	Interchange Control Number	9/9	N0	Control number
ISA14	Acknowledgement Requested	1/1	ID	'0' – No acknowledgement requested.

820 • Payment Order/Remittance Advice

ISA15	Usage Indicator	1/1	ID	'P' – Production Data 'T' – Test Data
ISA16	Component Element Separator	1/1		'@'

820 • Payment Order/Remittance Advice

Segment: **GS** Functional Group Header

Level: Header

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

Example: GS*RA*CUSTID0001*007919517*20030101*1530*0001*X*004010

Segment	Name	Min/Max Field Length	Type	Contents
GS01	Functional ID Code	2/2	ID	Code identifying a group of application related transaction sets. 'RA' - Payment Order/Remittance Advice (820).
GS02	Application Sender's Code	2/15	AN	Code identifying party sending transmission; codes agreed to by trading partners.
GS03	Application Receiver's Code	2/15	AN	'007919517' – PSNC DUNS number.
GS04	Date	8/8	DT	Date of transmission; expressed as CCYYMMDD.
GS05	Time	4/8	TM	Time of transmission; expressed as HHMM; expressed in a 24-hour clock format.
GS06	Group Control Number	1/9	N	Assigned number originated and maintained by the sender. Note: the number in this header must be identical to the same data element in the associated functional group trailer, GE02.
GS07	Responsible Agency Code	1/2	ID	'X' only for ASC X12.
GS08	Version/Release Industry Identifier Code	1/12	AN	Sender's transmission standard version; 004010.

820 • Payment Order/Remittance Advice

Segment: **ST** Transaction Set Header
Level: Header
Purpose: To indicate the start of a transaction set and to assign a control number.
Example: ST*820*000000001

Segment	Name	Min/Max Field Length	Type	Contents
ST01	TS ID Code	3/3	ID	'820' - Payment Order/Remittance Advice.
ST02	TS Control Number	4/9	AN	Sender's message control number.

820 • Payment Order/Remittance Advice

Segment: **BPR** Beginning Segment for Payment Order/Remittance Advice

Level: Header

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.

Example: BPR*C*10000*C*ACH*CTX*01*xxxx*xx*xxxx*CUSTID0001*xxxx*01*053207766*DA*320704026*20030101

Segment	Name	Min/Max Field Length	Type	Contents
BPR01	Transaction Handling Code	1/1	ID	'C' - Payment accompanies remittance advice.
BPR02	Monetary Amount	1/18	R	Total payment amount for all items.
BPR03	Credit/Debit Flag Code	1/1	ID	'C' - Credit.
BPR04	Payment Method Code	3/3	ID	'ACH' - Automated Clearing House.
BPR05	Payment Format Code	1/10	ID	'CCD' - Cash Concentration/ Disbursement. 'CTX' - Corporate Trade Exchange.
BPR06	Originating DFI ID Number Qualifier	2/2	ID	'01' - ABA Transit Routing Number.
BPR07	Originating DFI ID Number	3/12	ID	Customer's Depository Financial Institution (DFI) identification number.
BPR08	Account Number Qualifier Code	1/3	ID	Code indicating the type of account. This is not used by PSNC Energy.
BPR09	Account Number	1/35	AN	Customer's bank account number.
BPR10	Originating Company ID	10/10	AN	Customer's DUNS number.
BPR11	Originating Company Supplemental Code	9/9	AN	Code defined between the originating company and the original depository financial institution that identifies the company initiating the transfer.

820 • Payment Order/Remittance Advice

BPR12	DFI ID Number Qualifier	2/2	ID	'01' - ABA Transit Routing Number.
BPR13	DFI ID Number	3/12	ID	Depository Financial Institution (DFI) identification number. PSNC Energy's routing number: 053207766.
BPR14	Account Number Qualifier Code	1/3	ID	Code indicating the type of account. This is not used by PSNC Energy.
BPR15	Account Number	1/35	AN	Payee's bank account account number.
BPR16	Date	8/8	DT	Expressed as CCYYMMDD.

820 • Payment Order/Remittance Advice

Segment: **TRN** Trace

Level: Header

Purpose: To uniquely identify a transaction to an application. The Trace Number identifies the payment.

Example: TRN*1*0001* CUSTID0001

Segment	Name	Min/Max Field Length	Type	Contents
TRN01	Trace Type Code	1/2	ID	'1' - Current Transaction Trace Numbers.
TRN02	Reference Identification	1/10	AN	Trace Number of the payment (with no spaces or punctuation), provides unique identification for the transaction.
TRN03	Originating Company ID	10/10	AN	Customer's DUNS number.

820 • Payment Order/Remittance Advice

Segment: **REF** Reference Identification
Level: Header
Purpose: To specify identifying information.
Example: REF*TN*0001

Note: If the Trace is sent, the REF with TN is not needed.

Segment	Name	Min/Max Field Length	Type	Contents
REF01	Reference ID Qualifier	2/3	ID	'TN' - Transaction Reference Number.
REF02	Reference ID	1/10	AN	Trace Number.
REF03	Description	1/80	AN	Free-form description to clarify the related data elements and their content.

820 • Payment Order/Remittance Advice

Segment: **DTM** Date/Time Reference
Level: Header
Purpose: To specify pertinent dates and times.
Example: DTM*007*20030101*1200*ET

Segment	Name	Min/Max Field Length	Type	Contents
DTM01	Date/Time Qualifier	3/3	ID	'007' - Effective.
DTM02	Date	8/8	DT	CCYYMMDD.
DTM03	Time	4/8	TM	HHMM expressed in 24-hour clock time.
DTM04	Time Code	2/2	ID	'ET' - Eastern Time 'CT' - Central Time 'MT' - Mountain Time 'PT' - Pacific Time

820 • Payment Order/Remittance Advice

Segment: **N1** Name
Level: Header
Purpose: To identify a party by type of organization, name and code.
Example: N1*PR*CUSTOMER NAME*01*
 N1*PE*PSNC*01*007919517

Segment	Name	Min/Max Field Length	Type	Contents
N101	Entity Identifier Code	2/3	ID	'PR' - Payer 'PE' - Payee
N102	Name	1/60	AN	Free-form name.
N103	Identification Code Qualifier	1/2	ID	'01' - Code designated by the system/method of code structure used for Identification Code.
N104	Identification Code	2/80	AN	The Payer should the customer's DUNS number. The Payee code should be '007919517' – PSNC Energy DUNS number.

820 • Payment Order/Remittance Advice

Segment: **ENT** Entity

Level: Detail

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

Example: ENT*1

Segment	Name	Min/Max Field Length	Type	Contents
ENT01	Assigned Number	1/6	N0	Only ENT01 is necessary because there is a single entity communicating with a single entity (sender to receiver.)

820 • Payment Order/Remittance Advice

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

Level: Detail

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

Example: RMR*12*5189800007544*PO*5000

Segment	Name	Min/Max Field Length	Type	Contents
RMR01	Reference Identification Qualifier	2/3	ID	Code qualifying the Reference Identification. '12' - Billing Account.
RMR02	Reference ID	1/30	AN	The customer's 13 digit account number for their PSNC Energy service.
RMR03	Payment Action Code	2/2	ID	Code specifying the accounts receivable open item(s), if any, to be included in the cash application. 'AJ' - Adjustment 'PO' - Payment on Account
RMR04	Monetary Amount	1/18	R	Amount of payment.

820 • Payment Order/Remittance Advice

Segment: **REF** Reference Identification
Level: Detail
Purpose: To specify identifying information.
Example: REF*12*5189800007544

Segment	Name	Min/Max Field Length	Type	Contents
REF01	Reference ID Qualifier	2/3	ID	Code qualifying the Reference Identification. '12' - Billing Account.
REF02	Reference ID	1/30	AN	The customer's 13 digit account number for their PSNC Energy service.

820 • Payment Order/Remittance Advice

Segment: **DTM** Date/Time Reference
Level: Detail
Purpose: To specify pertinent dates and times.
Example: DTM*814*20030101

Segment	Name	Min/Max Field Length	Type	Contents
DTM01	Date/Time Qualifier	3/3	ID	Code specifying type of date or time, or both date and time. '003' - Invoice '809' - Posted '814' - Payment Due Date.
DTM02	Date	8/8	DT	CCYYMMDD.

820 • Payment Order/Remittance Advice

Segment: **SE** Transaction Set Trailer
Level: Detail
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments, including the beginning (ST), and the ending (SE) segments.
Example: SE*18*000000001

Segment	Name	Min/Max Field Length	Type	Contents
SE01	Number of Included Segments	1/10	N0	Total number of segments included in a transaction set, including ST and SE segments.
SE02	Transaction Set Control Number	4/9	AN	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.

820 • Payment Order/Remittance Advice

Segment: **GE** Functional Group Trailer
Level: Detail
Purpose: To indicate the end of the functional group and to provide control information.
Example: GE*1*0001

Segment	Name	Min/Max Field Length	Type	Contents
GE01	Number of Transaction Sets Included	1/6	N0	Total number of transaction sets included in the functional group terminated by the trailer containing this data element.
GE02	Group Control Number	1/9	N0	Assigned number originated and maintained by the sender. Note: the number in this trailer must be identical to the same data element in the associated functional group header, GS06.

820 • Payment Order/Remittance Advice

Segment: **IEA** Interchange Control Trailer
Level: Detail
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments.
Example: IEA*1* 000000002

Segment	Name	Min/Max Field Length	Type	Contents
IEA01	Number of included functional groups.	1/5	N0	Total number of functional groups included.
IEA02	Interchange Control Number	9/9	N0	Control number.