



CP EDI 820 Guidelines (Version 4010)





# 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 document is a modified version of X12 820 rail guidelines (v4010) that is accepted by CP. 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.

An EDI 997 Functional Acknowledgment will be sent for this transaction set. The document will not be processed further if rejected due to violation of X12 standards.

## Heading:

CP Attributes	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BPR	Beginning Segment for Payment Order/Remittance Advice	M	1		
Not Used	030	NTE	Note/Special Instruction	O	>1		
O	035	TRN	Trace	O	1		c1
O	040	CUR	Currency	O	1		c2
O	050	REF	Reference Identification	O	>1		
O	060	DTM	Date/Time Reference	O	>1		
LOOP ID - N1						>1	
M	070	N1	Name	O	1		c3
Not Used	080	N2	Additional Name Information	O	>1		
O	090	N3	Address Information	O	>1		
O	100	N4	Geographic Location	O	1		
Not Used	110	REF	Reference Identification	O	>1		
Not Used	120	PER	Administrative Communications Contact	O	>1		
Not Used	130	RDM	Remittance Delivery Method	O	1		
Not Used	140	DTM	Date/Time Reference	O	1		

## Detail:

CP Attributes	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
LOOP ID - ENT						>1	
M	010	ENT	Entity	O	1		n1, c4
LOOP ID - NM1						>1	
Not Used	020	NM1	Individual or Organizational Name	O	1		c5
Not Used	030	N2	Additional Name Information	O	>1		
Not Used	040	N3	Address Information	O	>1		



Not Used	050	N4	Geographic Location	0	1	
Not Used	060	REF	Reference Identification	0	>1	
Not Used	070	PER	Administrative Communications Contact	0	>1	
<b>LOOP ID - ADX</b>						<b>&gt;1</b>
Not Used	080	ADX	Adjustment	0	1	c6
Not Used	090	NTE	Note/Special Instruction	0	>1	
Not Used	100	PER	Administrative Communications Contact	0	>1	
Not Used	105	DTM	Date/Time Reference	0	1	
<b>LOOP ID - REF</b>						<b>&gt;1</b>
Not Used	110	REF	Reference Identification	0	1	
Not Used	120	DTM	Date/Time Reference	0	>1	
<b>LOOP ID - IT1</b>						<b>&gt;1</b>
Not Used	130	IT1	Baseline Item Data (Invoice)	0	1	c7
<b>LOOP ID - REF</b>						<b>&gt;1</b>
Not Used	140	REF	Reference Identification	0	1	
Not Used	141	DTM	Date/Time Reference	0	1	
<b>LOOP ID - SAC</b>						<b>&gt;1</b>
Not Used	142	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	143	TXI	Tax Information	0	>1	
<b>LOOP ID - SLN</b>						<b>&gt;1</b>
Not Used	144	SLN	Subline Item Detail	0	1	
<b>LOOP ID - REF</b>						<b>&gt;1</b>
Not Used	145	REF	Reference Identification	0	1	
Not Used	146	DTM	Date/Time Reference	0	>1	
<b>LOOP ID - SAC</b>						<b>&gt;1</b>
Not Used	147	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	148	TXI	Tax Information	0	>1	
<b>LOOP ID - RMR</b>						<b>&gt;1</b>
M	150	<u>RMR</u>	Remittance Advice Accounts Receivable Open Item Reference	0	1	c8
O	160	<u>NTE</u>	Note/Special Instruction	0	>1	
Rec	170	<u>REF</u>	Reference Identification	0	>1	
Rec	180	<u>DTM</u>	Date/Time Reference	0	>1	
<b>LOOP ID - IT1</b>						<b>&gt;1</b>
Not Used	190	IT1	Baseline Item Data (Invoice)	0	1	c9
<b>LOOP ID - REF</b>						<b>&gt;1</b>
Not Used	200	REF	Reference Identification	0	1	
Not Used	201	DTM	Date/Time Reference	0	1	
<b>LOOP ID - SAC</b>						<b>&gt;1</b>



Not Used	202	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	203	TXI	Tax Information	0	>1	
			<b>LOOP ID - SLN</b>	<b>&gt;1</b>		
Not Used	204	SLN	Subline Item Detail	0	1	
			<b>LOOP ID - REF</b>	<b>&gt;1</b>		
Not Used	205	REF	Reference Identification	0	1	
Not Used	206	DTM	Date/Time Reference	0	>1	
			<b>LOOP ID - SAC</b>	<b>&gt;1</b>		
Not Used	207	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	208	TXI	Tax Information	0	>1	
			<b>LOOP ID - ADX</b>	<b>&gt;1</b>		
Not Used	210	ADX	Adjustment	0	1	c10
Not Used	220	NTE	Note/Special Instruction	0	>1	
Not Used	230	PER	Administrative Communications Contact	0	>1	
			<b>LOOP ID - REF</b>	<b>&gt;1</b>		
Not Used	240	REF	Reference Identification	0	1	
Not Used	250	DTM	Date/Time Reference	0	>1	
			<b>LOOP ID - IT1</b>	<b>&gt;1</b>		
Not Used	260	IT1	Baseline Item Data (Invoice)	0	1	c11
			<b>LOOP ID - REF</b>	<b>&gt;1</b>		
Not Used	270	REF	Reference Identification	0	1	
Not Used	271	DTM	Date/Time Reference	0	1	
			<b>LOOP ID - SAC</b>	<b>&gt;1</b>		
Not Used	272	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	273	TXI	Tax Information	0	>1	
			<b>LOOP ID - SLN</b>	<b>&gt;1</b>		
Not Used	274	SLN	Subline Item Detail	0	1	
			<b>LOOP ID - REF</b>	<b>&gt;1</b>		
Not Used	275	REF	Reference Identification	0	1	
Not Used	276	DTM	Date/Time Reference	0	>1	
			<b>LOOP ID - SAC</b>	<b>&gt;1</b>		
Not Used	277	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	278	TXI	Tax Information	0	>1	
			<b>LOOP ID - TXP</b>	<b>&gt;1</b>		
Not Used	280	TXP	Tax Payment	0	1	n2
Not Used	285	TXI	Tax Information	0	>1	
			<b>LOOP ID - DED</b>	<b>&gt;1</b>		



Not Used	287	DED	Deductions	0	1	n3
			<b>LOOP ID - LX</b>	<b>&gt;1</b>		
Not Used	290	LX	Assigned Number	0	1	n4
Not Used	295	REF	Reference Identification	0	>1	
Not Used	300	TRN	Trace	0	>1	
			<b>LOOP ID - NM1</b>	<b>&gt;1</b>		
Not Used	305	NM1	Individual or Organizational Name	0	1	
Not Used	310	REF	Reference Identification	0	>1	
Not Used	315	G53	Maintenance Type	0	1	
			<b>LOOP ID - AIN</b>	<b>&gt;1</b>		
Not Used	320	AIN	Income	0	1	
Not Used	325	QTY	Quantity	0	>1	
Not Used	330	DTP	Date or Time or Period	0	>1	
			<b>LOOP ID - PEN</b>	<b>&gt;1</b>		
Not Used	335	PEN	Pension Information	0	1	
Not Used	340	AMT	Monetary Amount	0	>1	
Not Used	345	DTP	Date or Time or Period	0	>1	
			<b>LOOP ID - INV</b>	<b>&gt;1</b>		
Not Used	350	INV	Investment Vehicle Selection	0	1	
Not Used	355	DTP	Date or Time or Period	0	>1	
			<b>LOOP ID - N9</b>	<b>1</b>		
Not Used	360	N9	Reference Identification	0	1	n5
			<b>LOOP ID - AMT</b>	<b>&gt;1</b>		
Not Used	370	AMT	Monetary Amount	0	1	c12
Not Used	380	REF	Reference Identification	0	>1	
			<b>LOOP ID - N1</b>	<b>&gt;1</b>		
Not Used	390	N1	Name	0	1	
Not Used	400	REF	Reference Identification	0	>1	
			<b>LOOP ID - EMS</b>	<b>&gt;1</b>		
Not Used	410	EMS	Employment Position	0	1	
Not Used	420	ATN	Attendance	0	>1	
Not Used	430	AIN	Income	0	>1	
Not Used	440	PYD	Payroll Deduction	0	>1	
			<b>LOOP ID - RYL</b>	<b>&gt;1</b>		
Not Used	450	RYL	Royalty Payment	0	1	n6
			<b>LOOP ID - NM1</b>	<b>&gt;1</b>		
Not Used	460	NM1	Individual or Organizational Name	0	1	



			<b>LOOP ID - LOC</b>			<b>&gt;1</b>
Not Used	470	LOC	Location	0	1	
			<b>LOOP ID - PID</b>			<b>&gt;1</b>
Not Used	480	PID	Product/Item Description	0	1	
Not Used	490	DTM	Date/Time Reference	0	1	
			<b>LOOP ID - PCT</b>			<b>&gt;1</b>
Not Used	500	PCT	Percent Amounts	0	1	
Not Used	510	QTY	Quantity	0	1	
			<b>LOOP ID - AMT</b>			<b>&gt;1</b>
Not Used	520	AMT	Monetary Amount	0	1	
Not Used	530	ADX	Adjustment	0	>1	
			<b>LOOP ID - ASM</b>			<b>1</b>
Not Used	540	ASM	Amount and Settlement Method	0	1	
Not Used	550	ADX	Adjustment	0	1	

Summary:

CP	Pos.	Seg.		Req.		Loop	Notes and
<u>Attributes</u>	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
M	010	SE	Transaction Set Trailer	M	1		



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: 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:

Data Element Summary

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

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).

Comments:

Data Element Summary

CP	Ref.	Data			Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	BPR01	305	Transaction Handling Code		M ID 1/2
			Code designating the action to be taken by all parties		
			C	Payment Accompanies Remittance Advice	
				Used when sending EDI 820 directly to the Banks along with the shipment level details.	
			I	Remittance Information Only	
				Used when sending EDI 820 directly to CP along with the shipment level details.	
M	BPR02	782	Monetary Amount		M R 1/18
			Monetary amount		
			Total payment amount for all items.		
M	BPR03	478	Credit/Debit Flag Code		M ID 1/1
			Code indicating whether amount is a credit or debit		
			C	Credit	
			D	Debit	





M	BPR04	591	Payment Method Code Code identifying the method for the movement of payment instructions ACH Automated Clearing House (ACH) X12 X12	M	ID 3/3
O	BPR05	812	Payment Format Code Code identifying the payment format to be used CCP Cash Concentration/Disbursement plus Addenda (CCD+) (ACH) CTX Corporate Trade Exchange (CTX) (ACH)	O	ID 1/10
X	BPR06	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI) 01 ABA Transit Routing Number Including Check Digits (9 digits)	X	ID 2/2
X	BPR07	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number	X	AN 3/12
O	BPR08	569	Account Number Qualifier Code indicating the type of account DA Demand Deposit	O	ID 1/3
X	BPR09	508	Account Number Account number assigned	X	AN 1/35
O	BPR10	509	Originating Company Identifier A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9	O	AN 10/10
O	BPR11	510	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	O	AN 9/9
X	BPR12	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI) 01 ABA Transit Routing Number Including Check Digits (9 digits)	X	ID 2/2
X	BPR13	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number	X	AN 3/12
O	BPR14	569	Account Number Qualifier Code indicating the type of account DA Demand Deposit	O	ID 1/3
X	BPR15	508	Account Number Account number assigned	X	AN 1/35



O	BPR16	373	Date Date expressed as CCYYMMDD	O	DT 8/8
Not Used	BPR17	1048	Business Function Code Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 1/3
Not Used	BPR18	506	(DFI) ID Number Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
Not Used	BPR19	507	(DFI) Identification Number	X	AN 3/12
Not Used	BPR20	569	Account Number Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 1/3
Not Used	BPR21	508	Account Number	X	AN 1/35

Segment: **TRN** Trace  
 Position: 035  
 Loop:  
 Level: Heading  
 Usage: Optional  
 Max Use: 1  
 Purpose: To uniquely identify a transaction to an application  
 Syntax Notes:  
 Semantic Notes:  
 1 TRN02 provides unique identification for the transaction.  
 2 TRN03 identifies an organization.  
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	TRN01	481	Trace Type Code Code identifying which transaction is being referenced 1 Current Transaction Trace Numbers	M ID 1/2
M	TRN02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
O	TRN03	509	Originating Company Identifier A unique identifier designating the company initiating the funds transfer instructions. The first character is one-digit ANSI identification code designation (ICD) followed by the nine-digit identification number which may be an IRS employer identification number (EIN), data universal numbering system (DUNS), or a user assigned number; the ICD for an EIN is 1, DUNS is 3, user assigned number is 9	O AN 10/10
Not Used	TRN04	127	Reference Identification	O AN 1/30



Segment: **CUR** Currency  
 Position: 040  
 Loop:  
 Level: Heading  
 Usage: Optional  
 Max Use: 1  
 Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction  
 Syntax Notes:  
 Semantic Notes:  
 Comments: See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PR Payer	M ID 2/3
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified CAD Canadian Dollars USD U.S Dollars	M ID 3/3
Not Used	CUR03	280	Exchange Rate	O R 4/10
Not Used	CUR04	98	Entity Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
Not Used	CUR05	100	Currency Code	O ID 3/3
Not Used	CUR06	669	Currency Market/Exchange Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
Not Used	CUR07	374	Date/Time Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	CUR08	373	Date	O DT 8/8
Not Used	CUR09	337	Time	O TM 4/8
Not Used	CUR10	374	Date/Time Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	CUR11	373	Date	X DT 8/8
Not Used	CUR12	337	Time	X TM 4/8
Not Used	CUR13	374	Date/Time Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	CUR14	373	Date	X DT 8/8
Not Used	CUR15	337	Time	X TM 4/8
Not Used	CUR16	374	Date/Time Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3
Not Used	CUR17	373	Date	X DT 8/8
Not Used	CUR18	337	Time	X TM 4/8



Not Used	CUR19	374	Date/Time Qualifier	X	ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	CUR20	373	Date	X	DT 8/8
Not Used	CUR21	337	Time	X	TM 4/8

Segment: **REF** Reference Identification  
 Position: 050  
 Loop:  
 Level: Heading  
 Usage: Optional  
 Max Use: >1  
 Purpose: To specify identifying information  
 Syntax Notes: At least one of REF02 or REF03 is required.  
 Semantic Notes:  
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			CK Check Number	
			TN Transaction Reference Number	
			This is not a comprehensive list and only includes some of the most commonly used Reference Identification Qualifiers.	
X	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	



Not Used	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **DTM** Date/Time Reference  
 Position: 060  
 Loop:  
 Level: Heading  
 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.  
 Semantic Notes:  
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			097 Transaction Creation	
X	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
O	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			CT Central Time	
			ET Eastern Time	
			MT Mountain Time	
			PT Pacific Time	



Not Used	DTM05	1250	Date Time Period Format Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	DTM06	1251	Date Time Period	X	AN 1/35

Segment: **N1** Name  
 Position: 070  
 Loop: N1 Optional  
 Level: Heading  
 Usage: Optional  
 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:

Notes:

Provide Legal Entity names (Railinc/DUN & BRADSTREET).

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		PE	Payee Canadian Pacific Railway	
		PR	Payer Customer Name	
M	N102	93	Name Free-form name	X AN 1/60
Not Used	N103	66	Identification Code Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	N104	67	Identification Code	X AN 2/80
Not Used	N105	706	Entity Relationship Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	N106	98	Entity Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3



Segment: **N3** Address Information  
 Position: 090  
 Loop: N1 Optional  
 Level: Heading  
 Usage: Optional  
 Max Use: >1  
 Purpose: To specify the location of the named party  
 Syntax Notes:  
 Semantic Notes:  
 Comments:

## Data Element Summary

CP	Ref.	Data Element	Name	Attributes
<u>Attributes</u>	<u>Des.</u>			
M	N301	166	Address Information Address information	M AN 1/55
O	N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location  
 Position: 100  
 Loop: N1 Optional  
 Level: Heading  
 Usage: Optional  
 Max Use: 1  
 Purpose: To specify the geographic place of the named party  
 Syntax Notes: 1 If N406 is present, then N405 is required.  
 Semantic Notes:  
 Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

## Data Element Summary

CP	Ref.	Data Element	Name	Attributes
<u>Attributes</u>	<u>Des.</u>			
M	N401	19	City Name Free-form text for city name	O AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
Rec	N404	26	Country Code Code identifying the country	O ID 2/3
Not Used	N405	309	Location Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	N406	310	Location Identifier	O AN 1/30



Segment: **ENT** Entity  
 Position: 010  
 Loop: ENT Optional (Must Use)  
 Level: Detail  
 Usage: Optional (Must Use)  
 Max Use: 1  
 Purpose: To designate the entities which are parties to a transaction and specify a reference meaningful to those entities

## Syntax 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:
  - 2 Single/Single: Only ENT01 is necessary, because there is a single entity (the sending master) communicating with a single entity (the receiving master).

## Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	ENT01	554	Assigned Number Number assigned for differentiation within a transaction set Only ENT01 is necessary because there is a single entity communicating with a single entity (sender to receiver).	O NO 1/6
Not Used	ENT02	98	Entity Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	ENT03	66	Identification Code Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	ENT04	67	Identification Code	X AN 2/80
Not Used	ENT05	98	Entity Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	ENT06	66	Identification Code Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	ENT07	67	Identification Code	X AN 2/80
Not Used	ENT08	128	Reference Identification Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	ENT09	127	Reference Identification	X AN 1/30





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

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 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 taken.

Comments:  
 1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.  
 2 RMR05 may be needed by some payees to distinguish between duplicate reference numbers.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	RMR01	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			BM Bill of Lading Number	
			EQ Equipment Number	
			IV Seller's Invoice Number	
			CP Invoice number only	
X	RMR02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	RMR03	482	Payment Action Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
O	RMR04	782	Net Amount Paid	O R 1/18
			Monetary amount	
O	RMR05	782	Gross Amount Paid	O R 1/18
			Monetary amount	
O	RMR06	782	Discount Amount	O R 1/18
			Monetary amount	
Not Used	RMR07	426	Adjustment Reason Code	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	RMR08	782	Monetary Amount	X R 1/18



Segment: **NTE** Note/Special Instruction  
 Position: 160  
 Loop: RMR Optional (Must Use)  
 Level: Detail  
 Usage: Optional  
 Max Use: >1  
 Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:  
 Semantic Notes:  
 Comments:

The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	NTE01	363	Note Reference Code	O ID 3/3
			Code identifying the functional area or purpose for which the note applies	
			DEP Problem Description	
M	NTE02	352	Description	M AN 1/80
			A free-form description to clarify the related data elements and their content	



Segment: **REF** Reference Identification  
 Position: 170  
 Loop: RMR Optional (Must Use)  
 Level: Detail  
 Usage: Optional (Recommended)  
 Max Use: >1  
 Purpose: To specify identifying information  
 Syntax Notes: 1 At least one of REF02 or REF03 is required.  
 Semantic Notes:  
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BM Bill of Lading Number	
				If used, REF01 qualifier EQ with equipment number and DTM01 qualifier 011 with waybill date is required.
			CN Carrier's Reference Number (PRO/Invoice)	
			EQ Equipment Number	
			SI Shipper's Identifying Number for Shipment (SID)	
				A unique number (to the shipper) assigned by the shipper to identify the shipment
			WY Waybill Number	
				This is not a comprehensive list and only includes some of the most commonly used Reference Identification Qualifiers.
X	REF02	127	Reference Identification	X AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
X	REF03	352	Description	X AN 1/80
				A free-form description to clarify the related data elements and their content
Not Used	REF04	C040	Reference Identifier	O
				To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
				Code qualifying the Reference Identification
				Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	C04002	127	Reference Identification	M AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
				Code qualifying the Reference Identification
				Refer to 004010 Data Element Dictionary for acceptable code values.
Not Used	C04004	127	Reference Identification	X AN 1/30
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier



Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment: **DTM** Date/Time Reference  
 Position: 180  
 Loop: RMR Optional (Must Use)  
 Level: Detail  
 Usage: Optional (Recommended)  
 Max Use: >1  
 Purpose: To specify pertinent dates and times  
 Syntax Notes: At least one of DTM02 DTM03 or DTM05 is required.  
 Semantic Notes:  
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 003 Invoice 011 Shipped 095 Bill of Lading This is not a comprehensive list and only includes some of the most commonly used Date/Time Qualifiers.	M ID 3/3
X	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8
Not Used	DTM03	337	Time	X TM 4/8
Not Used	DTM04	623	Time Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	DTM06	1251	Date Time Period	X AN 1/35



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: SE is the last segment of each transaction set.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M NO 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	



## SAMPLE 820s:

Example 1- Sample containing CP Invoice number

```
ISA*00*      *00*      *ZZ*SENDER      *ZZ*CPRST      *181210*1001*U*00401*000001716*0*P*>
GS*RA*SENDER*CPRST*20181210*1001*1716*X*004010
ST*820*000000001
BPR*C*7239.21*C*X12**04*000302300**1246000***04*000300001**1015000*20180425
TRN*1*E000021081
CUR*PR*USD
REF*TN*E000021081
DTM*097*20180426
N1*PR*CUSTOMER NAME INC
N1*PE*CANADIAN PACIFIC RAILWAY
ENT*1
RMR*IV*601669201**1661.04*1661.04*0
RMR*IV*601683520**1788.81*1788.81*0
RMR*IV*601683523**1263.12*1263.12*0
SE*13*000000001
GE*1*1716
IEA*1*000001716
```



## Example 2- Sample containing Bill of Lading number (BM) and Equipment (EQ)

ISA\*00\* \*00\* \*ZZ\*SENDER \*ZZ\*CPRST \*181210\*1001\*U\*00401\*000001715\*0\*P\*>  
GS\*RA\*SENDER\*CPRST\*20181210\*1001\*1715\*X\*004010  
ST\*820\*000000001  
BPR\*C\*67369.28\*C\*X12\*\*04\*000300000\*\*0001200\*\*\*04\*000300000\*\*10158000\*20180424  
TRN\*1\*S001624  
CUR\*PR\*CAD  
REF\*CK\* S001624  
DTM\*097\*20180425  
N1\*PR\*CUSTOMER NAME LLC  
N1\*PE\*CANADIAN PACIFIC RAILWAY  
ENT\*1  
RMR\*BM\*49646\*\*7290.8\*7290.8  
REF\*EQ\*GACX001648  
DTM\*011\*20180416  
RMR\*BM\*49647\*\*7290.8\*7290.8  
REF\*EQ\*GACX008265  
DTM\*011\*20180416  
RMR\*BM\*49648\*\*7290.8\*7290.8  
REF\*EQ\*GACX001594  
DTM\*011\*20180420  
RMR\*BM\*49649\*\*4415.17\*4415.17  
REF\*EQ\*PROX064123  
DTM\*011\*20180413  
SE\*22\*000000001  
GE\*1\*1715  
IEA\*1\*000001715