

Implementation Guide to Payment Order/Remittance Advice Message

EDI 820 Version 4010

Description: 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.

Purpose of Payment Order/Remittance Advice Message EDI 820

The Payment Order/Remittance Advice EDI 820 message allows you to automate the exchange of payment details and payment to CN directly or through your bank. There are three EDI payment options:

- 1. Remittance with Payment, sent through your bank to CN
- 2. Remittance advice only, sent directly to CN (payment is made independently)
 - A. Remittance Advice sent through a VAN
 - B. Remittance Advice sent through secured FTP
- 3. Payment only, sent through your bank to CN

Throughout this document these will be referred to as Option 1, Option 2A & 2B and Option 3.

Other electronic payment options, such as eBill Service (a CN One eBusiness tool) are described on the CN website at <u>www.cn.ca</u>.

EDI Version & Guidelines

This document describes the implementation of EDI 820 payment details using ANSI version 3020 to 4010. The actual mapping requirements of version 4010 is contained in this Implementation Guide available on the website at <u>www.cn.ca/guides</u>

This Payment Order/Remittance Advice EDI 820, version 004010, closely complies with the official published Guidelines of American National Standards Institute. US Dollar Payments are handled through the ACH CTX (Automated Clearing House Corporate Trade Exchange) network.

Canadian Dollar payments are handled through the Canadian banking network.

Formats and Options

It is entirely the responsibility of the Sender of the 820 to ensure that messages produced meet the descriptions and requirements set out in this document. Formats other than those presented in this guide must be reviewed with your CN representative prior to implementation.

Connection Options

CN has direct connection with 3 VAN's (Value Added Networks). They are GXS, Transentric, and Kleinschmidt (KNSX). Interconnection to other VANs is also available. Exchange through secured FTP is now available at CN and is free of charge to customers. Remittance details sent via FTP should conform to EDI 820 Standards.

Connection options to transmit information to your Bank may be different, and are not covered in this document.

Message Timing

Remittance Advice messages are accepted at all times of the day so you can send them as soon as your process completes the preparation of the file.

All Payments (options 1 and 3) sent by the bank to CN prior to 20:00 (Eastern Standard Time) are processed by CN in a batch job on the same business day.

For Option 2, the payment is only applied to your CN account the day after both payment and remittance details have been received. Remittance details should be received by CN prior to the payment.

Payment Options

If you are selecting option 1 above, all Remittance Details, as well as the Payment Order, will be transmitted to your bank. The bank will then forward Remittance details to CN and debit your account in favor of CN.

If you are selecting option 2 above, then you must make payment to CN in another transaction. This transaction must match the total amount stated in the EDI 820 detail transmission. CN's standard setup accepts payment details referencing invoice numbers only. Other payment detail reference formats are available upon request.

If you are selecting option 3, the payment order will be transmitted to the bank and the bank will forward the file to CN and debit your account in favor of CN.

Please note that CN still requires the details to be sent electronically for option 3. There is a manual transaction fee on details that have been forwarded non-electronically such as email, fax or other paper remittance.

Canadian and US Dollar payments must be handled in separate transactions if you are selecting option 1 and option 3. They can be handled in the same transaction for option 2.

CN Contact

CN provides an email address for Freight Payment inquiries RMGEC@cn.ca The EDI Onboarding team email address is EDIMGR@cn.ca. You can also visit us at www.cn.ca.

Getting Started

To begin the process of implementation you should do the following:

- 1. Notify us at <u>EDIMGR@cn.ca</u> that you want to Send Payment Orders or Remittance Advice using EDI. This message should include your full company name and location, as well as both an Accounts Payable and EDI Technical contact.
- 2. CN will then assign someone to work with you on the implementation
- 3. A review and walkthrough of the Mapping Guide and this Implementation Guide will facilitate understanding of the data and requirements.
- 4. Technical details must be resolved such as the Value Added Network to be used, and the sender and receiver IDs.
- 5. CN supports a fully functional test system for technical and business validation of the exchange.

Using the Mapping Guide

Each Segment and Data Element in the transaction is identified in Segment and Data element order. The following information is available for each:

- Element Code, this is the Data Segment + position within the segment
- Element Number, this is the ANSI reference to the data contained in this position
- Element Name, the name of the data
- Element Type, the ANSI designation for the Data Elements
- Element Length, showing the Minimum/Maximum length of the data
- Required, shows the Mandatory, Conditional, or Optional indication for this information
- Description, notes on CN's usage of this data element, including accepted values

Sample EDI 820 transmission: (Cheque with Separate Payment Details)

ISA*00* *00* *ZZ*SENDERID *02*CN GS*RA*SENDERID*CN*20250124*1031*382*X*004010 ST*820*0372 BPR*I*1625.04*C*CHK **TRN*1*PAYMENT REFERENCE NUMBER** CUR*PR*CAD **REF*CK*001970** DTM*097*20250124 N1*PE*CANADIAN NATIONAL RAILWAY N1*PR*COMPANY ABC N3*PO BOX 12345 ENT*1 RMR*IV*12345678**509.24*509.24*0 REF*EQ*CNRU123456 DTM*011*20180411 ENT*1 RMR*IV*12345679**614.8*614.8*0 REF*EQ*GATX123456 DTM*011*20180410 ENT*1 RMR*IV*12345680**501*501*0 **REF*EQ*CN649332** DTM*011*20240328 SE*26*0372 GE*1*382 IEA*1*00000382

*250124*1031*U*00401*00000382*0*P*>

Sample EDI 820 transmission: (ACH CTX)

ISA*00* *00* *ZZ*SENDERID *02*CN *250124*1031*U*00401*00000382*0*P*> GS*RA*SENDERID*CN*20250124*1031*382*X*004010 ST*820*00000044 BPR*C*12674.24*C*ACH*CTX*01*PAYOR BANK NUMBER**PAYOR BANK ACCOUNT NUMBER***01*CN BANK NUMBER*DA*CN ACCOUNT NUMBER*20060527 **TRN*1*PAYMENT REFERENCE NUMBER** CUR*PR*USD REF*RR*0002200605260652249300024 N1*PR*COMPANY ABC N1*PE*CANADIAN NATIONAL RAILWAY ENT*1 RMR*IV*012345681**1938.13*1938.13 DTM*003*20250116 ENT*2 RMR*IV*012345682**1938.13*1938.13 DTM*003*20250116 ENT*3 RMR*IV*012345683**2932.66*2932.66 DTM*003*20250117 ENT*4 RMR*IV*012345684**2932.66*2932.66 DTM*003*20250119 ENT*5 RMR*IV*012345685**2932.66*2932.66 DTM*003*20060522 SE*27*00000044 GE*1*615106036 IEA*1*615106033

Sample EDI 820 transmission: (Payment Only)

ISA*00* *00* *ZZ*SENDERID *02*CN *250124*1031*U*00401*00000382*0*P*> GS*RA*SENDERID*CN*20250124*1031*382*X*004010 ST*820*00000007 BPR*D*123701.52*C*X12**04*PAYOR BANK NUMBER**PAYOR BANK ACCOUNT NUMBER***04*CN BANK NUMBER*DA*CN ACCOUNT NUMBER*060523 **TRN*1*PAYMENT REFERENCE NUMBER** REF*RR*12345678901253 N1*PR*COMPANY ABC N1*PE*CANADIAN NATIONAL RAILWAYS N2*FINANCE DEPT. N3*PO BOX 8100 N4*MONTREAL*QC SE*15*00000007 GE*1*614312050 IEA*A*1*614312049

ISA Segment: Interchange Control Header

ISA*00*	*00* *ZZ*SENDERID *02*0	CN *2501	24*1031	*U*00401*000000382*0*P
Ref. Des.	Name	Data Element	Attrib	utes
ISA01	Authorization Information Qualifier	I01	ID	2/2
	Authorization Information (Ten spaces)	I02	AN	10/10
ISA03	Security Information Qualifier	I03	ID	2/2
ISA04	Security Information (Ten spaces)	I04	AN	10/10
ISA05	Interchange ID Qualifier	I05	ID	2/2
ISA06	Interchange Sender ID (SENDERID - fill out field with spaces)	I06	AN	15/15
ISA07	Interchange ID Qualifier (If RR SCAC use 02)	105	ID	2/2
ISA08	Interchange Receiver ID (CN- fill out field with spaces)	I07	AN	15/15
ISA09	Interchange Date (YYMMDD)	I08	DT	6/6
ISA10	Interchange Time (HHMM)	I09	ТМ	4/4
ISA11	Repetition Separator (Suggest "^")	I65		1/1
ISA12	Interchange Control Version Number (Value 00401)	I11	ID	5/5
ISA13	Interchange Control Number (a control number assigned by sender)	I12	N0	9/9
ISA14	Acknowledgment Requested (0 = none requested) (1= requested)	I13	ID	1/1
ISA15	Usage Indicator (P = Production) (T = Test)	I14	ID	1/1
ISA16	Component Element Separator (Suggest ":")	I15	AN	1/1

GS Segment: Functional Group Header

GS*RA*SENDERID*CN*20250124*1031*382*X*004010

Ref. Des.	Name	Data Element	Attribu	tes
GS01	Functional Identifier Code (RA= Payment Order/Remittance Advice (8	479 820))	ID	2/2
GS02	Application Sender's Code	142	AN	2/15
GS03	Application Receiver's Code	124	AN	2/15
GS04	Date	373	DT	8/8
	(CCYYMMDD)			
GS05	Time	337	TM	4/6
	(HHMM)			
GS06	Group Control Number	28	N0	1/9
	(Assigned number originated and maintaine	ed by the sender)		
GS07	Responsible Agency Code (X = Accredited Standards Committee X12	455	ID	1/2
GS08	Version / Release / Industry Identity	480	AN	1/12
	(CN is using version 004010 of the X12 ED	OI Standards)		

ST Segment: Transaction Set Header

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

ST*820*0372

Ref. Des.	Name	Data Element	Attribu	ites
ST01 ST02	Transaction Set Identifier Code Transaction Set Control Number (Sequential control number generated by C	143 329 ustomer)	ID AN	3/3 4/9

BPR Segment: Beginning Segment for Payment Order / Remittance Advice - Mandatory

BPR*I*1625.04*C*CHK

Ref. Des.	Name	Data Element	Attribut	tes
BPR01	Transaction Handling code (I=Remittance Information Only) (D=Payment Only) (C or X=Payment accompanies remittance .	305 Advice)	ID	1/1
BPR02	Monetary amount	782	R	1/15
BPR03	(Amount paid) Credit/Debit Flag Code (C=Credit)	478	ID	1/15
BPR04	Payment method ID (ZZZ=\$CDN EFT Payments) (NON=Non-Payment Data) (X12=X120	591	ID	3/3
BPR05	(CHK=Check) Payment Format (CTX= \$US Payments)	812	ID	1/10
BPR06	DFI ID no. qualifier (04 = \$C Payments) (01=\$US Payments)	506	ID	2/2
BPR07	DFI ID no. (Payer Bank Number (Transit))	507	AN	3/12
BPR08	Acct Number Qual. Code (Not used)	896	ID	2/2
BPR09	Account no. (Payor Bank Account Number)	508	AN	1/35
BPR10	Originating company ID no. (Not used)	509	AN	10/10
BPR11	Originating company ID Supplemental code (Not used)	510	AN	9/9
BPR12	DFI ID no. qualifier (04=\$C Payments) (01=\$US Payments)	506	ID	2/2
BPR13	DFI ID no. (CN Bank Number (Transit)	507	AN	3/12
BPR14	Acct Number Qual. Code (Not used)	896	ID	2/2
BPR15	Account no. (CN Account Number)	508	AN	1/35
BPR16	Effective entry date (Effective Payment Date)	513	DT	8/8

NOTE: Data Elements BPR06, BPR07, BPR09, BPR12, BPR13, BPR15 are Mandatory when Transmitting Payment Order to a Banking Institution

TRN Segment: Trace - Mandatory

TRN*1*PAYMENT REFERENCE NUMBER

Ref. Des.	Name	Data Element	Attribut	es
TRN01	Trace Type Code (1=Current Transaction Trace Number)	481	ID	1/2
TRN02	Reference Number (Transaction Trace Number)	127	AN	1/30
	Originating Company ID (Not used)	509	AN	10/10
	Reference Identification (Not used)	127	AN	1/30

CUR Segment: Currency - Mandatory

CUR*PR*CAD

Ref. Des.	Name	Data Element	Attribu	tes
CUR01	Entity ID	098	ID	2/2
	(PR=for Payer)			
CUR02	Currency code	100	ID	3/3
	(USD=US Dollars)			
	(CAD=Canadian Dollars)			

<u>REF Segment: Reference Identification - Mandatory</u>

REF*CK*001970 REF*EQ*CNRU123456 REF*EQ*GATX123456 REF*EQ*CN649332

Ref. Des.	Name	Data Element	Attribu	tes
REF01	Reference identification qualifier For Non-Payment 820 (CK=Check Number) (TN=Transaction Ref #) (EM=Electronic Payment Ref#) (EQ=Equipment Initials) (WY=Waybill Number) (BM=Bill of Lading Number)	128	ID	2/2
REF02	Reference identification (Reference Number)	127	AN	1/30
REF03	Description (Not used)	352	AN	1/80

DTM Segment: Date/Time Reference - Optional

DTM*097*20250124 DTM*011*20250111

Ref. Des.	Name	Data Element	Attribu	tes
DTM01	Date / Time qualifier (097=for transaction creation) (011=Shipment Date)	374	ID	3/3
DTM02	 (003=Invoice Date) Date (Transmission Date) Version 4010 or Higher - YYYYMMDD Lower than 4010 - YYMMDD 	373	DT	8/8
DTM03		337	ТМ	4/6
DTM04		623	ID	2/2
DTM05	(Not used) Century	624	ID	2/2

<u>N1 Segment: Name - Mandatory</u>

N1*PE*CANADIAN NATIONAL RAILWAY N1*PR*COMPANY ABC

Ref. Des.	Name	Data Element	Attribu	tes
N101	Entity ID code (PR=Payor - Mandatory) (PE=Payee - Optional)	98	ID	2/2
N102	Name (When N101 = PR Payor Name should be c	93 consistent in every	AN 820 tran	1/35 smission from the customer to CN)
N103	ID code qualifier (Not Used)	66	ID	1/2
N104	ID code (DUNS Number)	67	ID	2/17

N3 Segment: Address Information - Optional

N3*PO BOX 12345

Ref. Des.	Name	Data Element	Attributes	
N301	Address (Street Address)	166	AN	1/35

ENT Segment: Entity - Optional

ENT*1

Ref. Des.	Name	Data Element	Attributes		
ENT01	Assigned Number	554	N0	1/6	

RMR Segment: Remittance Advice Accounts Receivable Open Item Reference - Mandatory

RMR*IV*12345678**509.24*509.24*0 RMR*IV*12345679**614.8*614.8*0 RMR*IV*12345680**501*501*0

Ref. Des.	Name	Data Element	Attribu	tes
RMR01	 Reference no. Qualifier (IV,CN,OI,FR=CN Invoice Number) (EQ=Equipment Initials & Number) (WY=Waybill Number) (BM=Bill of Lading Number) (CM=Credit Memo) 	128	ID	2/2
RMR02	2 Reference no. Note: can use CN Credit Note Number in th	127 his field	AN	1/30
RMR03	Payment Action Code (Not used)	482	ID	2/2
RMR04	4 Monetary Amount (Amount Paid)	782	R	1/15
	Note: Credit amounts must be negative unle	ess CM qualifier u	ised	
RMR05	5 Total Credit/Debit Amount (Not used)	777	R	1/15
RMR06	5 Discounted Amount Taken (Not used currently)	780	R	1/15

SE Segment: Transaction Set Trailer

SE*26*0372

Ref. Des.	Name	Data Element	Attributes	
SE01	Number of Included Segments (Includes ST and SE segments)	96	N0	1/10
SE02	Transaction Set Control Number (Repeated from ST segment ST02)	329	AN	4/9

GE Segment: Functional Group Trailer

GE*1*382

Ref. Des.	Name	Data Element	Attributes	
GE01 GE02	Number of Transaction Sets Included Group Control Number (Repeated from GS segment GS06)	97 28	N0 N0	1/6 1/9

IEA Segment: Interchange Control Trailer

IEA*1*00000382

Ref. Des.	Name	Data Element	Attributes	
	Number of included Functional Groups Interchange Control Number (Same number as ISA13)	I16 I12	N0 N0	1/5 9/9