



**Vendor  
Implementation Guide  
at X12 Version/Release 4010**

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# 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.

#### 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		C1/035
050	REF	Reference Identification	O	>1		
<b>LOOP ID - N1</b>					<b>≥1</b>	
070	N1	Name	O	1		C1/070

#### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<b>LOOP ID - ENT</b>					<b>≥1</b>	
010	ENT	Entity	O	1		C&N2/0 10
<b>LOOP ID - NM1</b>					<b>≥1</b>	
020	NM1	Individual or Organizational Name	O	1		C2/020
070	PER	Administrative Communications Contact	O	>1		
<b>LOOP ID - ADX</b>					<b>≥1</b>	
080	ADX	Adjustment	O	1		C2/080
100	PER	Administrative Communications Contact	O	>1		
<b>LOOP ID - REF</b>					<b>≥1</b>	
110	REF	Reference Identification	O	1		
<b>LOOP ID - RMR</b>					<b>≥1</b>	
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		C2/150
170	REF	Reference Identification	O	>1		
180	DTM	Date/Time Reference	O	>1		
<b>LOOP ID - ADX</b>					<b>≥1</b>	
210	ADX	Adjustment	O	1		C2/210
230	PER	Administrative Communications Contact	O	>1		
<b>LOOP ID - REF</b>					<b>≥1</b>	
240	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		

## User:

The State will not combine payments across agencies. For example, ABC Corp. provided services to the Department of Corrections and the Department of Agriculture. Separate 820's would be transmitted, since the State will not combine the payments. If you are expecting payment for more than 999 invoices from a single agency within a payment cycle, more than one 820 will be sent.

PLEASE NOTE: The State will prenote your EFT, but will not test the 820 with you prior to production.

Financial EDI (FEDI) Support Phone Number: (517) 241-8238

Please note: FEDI Support is prepared to only answer questions about this implementation guide. Questions concerning actual production payments should be directed to the appropriate agency.

The State will use an asterisk (\*) as an element separator and a back slash (as a segment separator).

The transaction set(s) will be wrapped at eighty characters.

# ISA

## Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information <u>Code NAME</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10
ISA03	I03	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information <u>Code NAME</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2
ISA04	I04	<b>Security Information</b> <b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10
ISA05	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code NAME</u> ZZ Mutually Defined	M	ID	2/2
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element <b>User:</b> STATEOFMICHIGAN	M	AN	15/15
ISA07	I05	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>User:</b> Any valid X12 4010 value supplied by the receiver.  If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.	M	ID	2/2
ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
		<b>User:</b> Provided by the receiving trading partner.			
		If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.			
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <u>Code</u> <u>NAME</u> U U.S. EDI Community of ASC X12,and UCS	M	ID	1/1
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> This version number covers the interchange control segments <u>Code</u> <u>NAME</u> 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>NAME</u> 0 No Acknowledgment Requested	M	ID	1/1
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>User:</b> The State will not test. <u>Code</u> <u>NAME</u> P Production Data	M	ID	1/1
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator <b>User:</b> Value will be a greater than symbol (>).	M		1/1

# GS

## Functional Group Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 8

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets <u>Code NAME</u> RA Payment Order/Remittance Advice (820)	M	ID	2/2
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners <b>User:</b> STATEOFMICHIGAN	M	AN	2/15
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission. Codes agreed to by trading partners <b>User:</b> Provided by the receiving trading partner.  If a third party service provider is being used to process your 820's, this value may have to be obtained from that entity.	M	AN	2/15
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8
GS05	337	<b>Time</b> <b>Description:</b> 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)	M	TM	4/8
GS06	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code NAME</u> X Accredited Standards Committee X12	M	ID	1/2
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed <u>Code NAME</u> 004010 Draft Standards Approved for Publication by ASC X12	M	AN	1/12

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
		Procedures Review Board through October 1997			

**Semantics:**

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

# ST

## Transaction Set Header

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set <u>Code</u> <u>NAME</u> 820 Payment Order/Remittance Advice	M	ID	3/3
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

### Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# BPR

## Beginning Segment for Payment Order/Remittance Advice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/AElements: 1	

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BPR01	305	<b>Transaction Handling Code</b> <b>Description:</b> Code designating the action to be taken by all parties <u>Code NAME</u> C Payment Accompanies Remittance Advice	M	ID	1/2
BPR02	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	M	R	1/18
BPR03	478	<b>Credit/Debit Flag Code</b> <b>Description:</b> Code indicating whether amount is a credit or debit <u>Code NAME</u> C Credit	M	ID	1/1
BPR04	591	<b>Payment Method Code</b> <b>Description:</b> Code identifying the method for the movement of payment instructions <u>Code NAME</u> ACH Automated Clearing House (ACH)	M	ID	3/3
BPR05	812	<b>Payment Format Code</b> <b>Description:</b> Code identifying the payment format to be used <u>Code NAME</u> CTX Corporate Trade Exchange (CTX) (ACH)	O	ID	1/10
BPR06	506	<b>(DFI) ID Number Qualifier</b> <b>Description:</b> Code identifying the type of identification number of Depository Financial Institution (DFI) <b>User:</b> The originating financial institution qualifier. <u>Code NAME</u> 01 ABA Transit Routing Number Including Check Digits (9 digits)	C	ID	2/2
BPR07	507	<b>(DFI) Identification Number</b> <b>Description:</b> Depository Financial Institution (DFI) identification number <b>User:</b> The originating financial institution.	C	AN	3/12
BPR08	569	<b>Account Number Qualifier</b> <b>Description:</b> Code indicating the type of account <b>User:</b> Originators account type. <u>Code NAME</u> DA Demand Deposit	O	ID	1/3
BPR09	508	<b>Account Number</b> <b>Description:</b> Account number assigned <b>User:</b> Originators account number.	C	AN	1/35

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BPR10	509	<b>Originating Company Identifier</b> <b>Description:</b> 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 <b>User:</b> Value will be '386000134V'.	O	AN	10/10
BPR11	510	<b>Originating Company Supplemental Code</b> <b>Description:</b> A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions <b>User:</b> Value = STMICHEFT	O	AN	9/9
BPR12	506	<b>(DFI) ID Number Qualifier</b> <b>Description:</b> Code identifying the type of identification number of Depository Financial Institution (DFI) <b>User:</b> The receiving financial institution. <u>Code</u> <u>NAME</u> 01 ABA Transit Routing Number Including Check Digits (9 digits)	C	ID	2/2
BPR13	507	<b>(DFI) Identification Number</b> <b>Description:</b> Depository Financial Institution (DFI) identification number <b>User:</b> The receiving financial institution.	C	AN	3/12
BPR14	569	<b>Account Number Qualifier</b> <b>Description:</b> Code indicating the type of account <b>User:</b> Receivers account type. <u>Code</u> <u>NAME</u> DA Demand Deposit SG Savings	O	ID	1/3
BPR15	508	<b>Account Number</b> <b>Description:</b> Account number assigned <b>User:</b> Receivers account number.	C	AN	1/35
BPR16	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD <b>User:</b> The date the State intends to provide good funds to the receiver.	O	DT	8/8
BPR17	1048	<b>Business Function Code</b> <b>Description:</b> Code identifying the business reason for this payment <b>User:</b> Only Table 2 segment positions 10 through 278 will be used. <u>Code</u> <u>NAME</u> VEN Vendor Payment	O	ID	1/3

## Syntax:

P0607 -- If either BPR06 or BPR07 are present, then the others are required. C0809 -- If BPR08 is present, then BPR09 is required  
P1213 -- If either BPR12 or BPR13 are present, then the others are required. C1415 -- If BPR14 is present, then BPR15 is required  
P1819 -- If either BPR18 or BPR19 are present, then the others are required. C2021 -- If BPR20 is present, then BPR21 is required

## Semantics:

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).
10. BPR17 is a code identifying the business reason for this payment.
11. BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.
12. BPR20 is a code identifying the type of bank account or other financial asset.

# TRN Trace

Pos: 035	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TRN01	481	<b>Trace Type Code</b> <b>Description:</b> Code identifying which transaction is being referenced <u>Code NAME</u> 1 Current Transaction Trace Numbers	M	ID	1/2
TRN02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User:</b> The trace number for this transaction.	M	AN	1/30
TRN03	509	<b>Originating Company Identifier</b> <b>Description:</b> 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 <b>User:</b> Value will be '386000134V'.	O	AN	10/10
TRN04	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User:</b> Value = STMICHEFT	O	AN	1/30

## Semantics:

1. TRN02 provides unique identification for the transaction.
2. TRN03 identifies an organization.
3. TRN04 identifies a further subdivision within the organization.

# REF Reference Identification

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> BT Batch Number	M	ID	2/3
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	C	AN	1/30

## Syntax:

R0203 -- At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## User:

This single REF segment is designated for ODFI reporting purposes and may be ignored by the receiver. It will contain the batch number of which this transaction is a part.

# N1

## Name

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <u>Code NAME</u> PE Payee PR Payer	M	ID	2/3
N102	93	<b>Name</b> <b>Description:</b> Free-form name <b>User:</b> If N101 is equal to 'PE', the value will be the Payee Name. If N101 is equal to 'PR', the value will be 'SOM MAIN FACS'.	C	AN	1/60
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>User:</b> N103/N104 will only be used if N101 = 'PE'. <u>Code NAME</u> G Payee Identification Number	C	ID	1/2
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code <b>User:</b> This value may be asked for by the State when discussing this payment.	C	AN	2/80

### Syntax:

R0203 -- At least one of N102 or N103 is required. P0304 -- If either N103 or N104 are present, then the others are required.

### User:

Two occurrences of the N1 will be transmitted. One will identify the Payer and the other will identify the Payee.

# ENT Entity

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ENT01	554	Assigned Number	O	N0	1/6

**Description:** Number assigned for differentiation within a transaction set

## Syntax:

P020304 -- If either ENT02, ENT03 or ENT04 are present, then the others are required. P050607 -- If either ENT05, ENT06 or ENT07 are present, then the others are required. P0809 -- If either ENT08 or ENT09 are present, then the others are required.

## User:

Only a single ENT loop will be transmitted since the State is not paying across agencies. The value will always be 1.

# NM1

## Individual or Organizational Name

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
NM101	98	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <u>Code NAME</u> AG Agent/Agency	M	ID	2/3
NM102	1065	<b>Entity Type Qualifier</b> <b>Description:</b> Code qualifying the type of entity <u>Code NAME</u> G Government	M	ID	1/1
NM103	1035	<b>Name Last or Organization Name</b> <b>Description:</b> Individual last name or organizational name <b>User:</b> Agency name.	O	AN	1/35

### Syntax:

P0809 -- If either NM108 or NM109 are present, then the others are required. C1110 -- If NM111 is present, then NM110 is required

### Semantics:

1. NM102 qualifies NM103.

### User:

Only a single NM1 will be transmitted per ENT in order to identify the specific agency responsible for the following payments and adjustments.

# PER

## Administrative Communications Contact

Pos: 070	Max: >1
Detail - Optional	
Loop: NM1Elements: 5	

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named <u>Code NAME</u> AP Accounts Payable Department	M	ID	2/2
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <u>Code NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable <b>User:</b> Agency E-Mail.	C	AN	1/80
PER05	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <u>Code NAME</u> TE Telephone	C	ID	2/2
PER06	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable <b>User:</b> Agency contact phone number.	C	AN	1/80

### Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

### User:

A single PER per ENT may be included to provide contact information for the paying agency. This is an optional segment sent only if the appropriate data is provided by the agency.

# ADX Adjustment

Pos: 080	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ADX01	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	M	R	1/18
ADX02	426	<b>Adjustment Reason Code</b> <b>Description:</b> Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment <u>Code</u> <u>NAME</u> WU Unspecified Recovery	M	ID	2/2
ADX03	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> 43 Supporting Document Number	C	ID	2/3
ADX04	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User:</b> This will be the Agency Offset Document number for the deduction. It should be referenced if further inquiry is made. The following REF segment will contain a description of the deduction. If a further explanation of the deduction is required, the following PER segment will contain the specific deducting agencies EMail address.	C	AN	1/30

## Syntax:

P0304 -- If either ADX03 or ADX04 are present, then the others are required.

## Semantics:

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.

## User:

The outer ADX will be used by the State to offset (deduct) miscellaneous amounts that do not apply to a specific RMR payment. The ADX01 value will be subtracted from the total of all RMR04 elements to determine the BPR02.

# PER

## Administrative Communications Contact

Pos: 100	Max: >1
Detail - Optional	
Loop: ADXElements: 4	

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named <u>Code NAME</u> IC Information Contact	M	ID	2/2
PER02	93	<b>Name</b> <b>Description:</b> Free-form name <b>User:</b> Deducting agencies name.	O	AN	1/60
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <u>Code NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable <b>User:</b> The deducting agencies EMail address.	C	AN	1/80

### Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

### User:

Only a single PER per ADX may be sent. This is an optional segment that will only be sent if the appropriate data is provided by the agency.

# REF Reference Identification

Pos: 110	Max: 1
Detail - Optional	
Loop: REF	Elements: 3

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> ZZ Mutually Defined	M	ID	2/3
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  <b>User:</b> If this is an adjustment against a previous invoice, the vendors invoice number will be sent here if available.	C	AN	1/30
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content  <b>User:</b> This element will contain a free form description of the deduction. If further clarification is needed, the preceding PER segment will provide an EMail contact for the deducting agency.	C	AN	1/80

## Syntax:

R0203 -- At least one of REF02 or REF03 is required.

## Semantics:

- REF04 contains data relating to the value cited in REF02.

## User:

Only a single REF per ADX will be sent.

# RMR Remittance Advice Accounts Receivable Open Item Reference

Pos: 150	Max: 1
Detail - Optional	
Loop: RMRElements:	

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
RMR01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> IV Seller's Invoice Number	C	ID	2/3
RMR02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>User:</b> This is the vendors invoice number if provided. If the State has no invoice number both RMR01 and RMR02 will be blank.	C	AN	1/30
RMR03	482	<b>Payment Action Code</b> <b>Description:</b> Code specifying the accounts receivable open item(s), if any, to be included in the cash application. <b>User:</b> This element will only be filled if RMR01/RMR02 are blank. <u>Code</u> <u>NAME</u> PO Payment on Account	O	ID	2/2
RMR04	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount <b>User:</b> This will be the net amount being paid. It will be calculated by taking RMR05 plus or minus any inner ADX01 values.	O	R	1/18
RMR05	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount <b>User:</b> This is the gross amount being paid prior to any adjustments.	O	R	1/18

## Syntax:

P0102 -- If either RMR01 or RMR02 are present, then the others are required. P0708 -- If either RMR07 or RMR08 are present, then the others are required.

## Semantics:

1. If RMR03 is present, it specifies how the cash is to be applied.
2. RMR04 is the amount paid.
3. 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.
4. RMR06 is the amount of discount taken.
5. RMR08, if present, represents an interest penalty payment, amount late interest paid, or amount anticipation.

**User:**

No more than 999 RMR loops will be transmitted per ENT. If more than 999 invoice payments are expected from a single agency within a payment cycle, more than one 820 will be sent.

# REF Reference Identification

Pos: 170	Max: >1
Detail - Optional	
Loop: RMR	Elements: 3

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code NAME</u> 43 Supporting Document Number	M	ID	2/3
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  <b>User:</b> This is the document number assigned to this payment by the responsible State agency. It should be referenced if further inquiry is required.	C	AN	1/30
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content  <b>User:</b> This is the agencies free format description of the payment.	C	AN	1/80

## Syntax:

R0203 -- At least one of REF02 or REF03 is required.

## Semantics:

- REF04 contains data relating to the value cited in REF02.

## User:

Only one REF per RMR will be used.

# DTM Date/Time Reference

Pos: 180	Max: >1
Detail - Optional	
Loop: RMR	Elements: 2

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time <b>User:</b> DTM01/DTM02 will only be sent if there is an associated invoice date. <u>Code</u> <u>NAME</u> 003 Invoice	M	ID	3/3
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	C	DT	8/8

## Syntax:

R020305 -- At least one of DTM02, DTM03 or DTM05 is required. C0403 -- If DTM04 is present, then DTM03 is required P0506 -- If either DTM05 or DTM06 are present, then the others are required.

## User:

If transmitted, only one DTM per RMR will be used.

# ADX Adjustment

Pos: 210	Max: 1
Detail - Optional	
Loop: ADX	Elements: 4

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ADX01	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	M	R	1/18
ADX02	426	<b>Adjustment Reason Code</b> <b>Description:</b> Code indicating reason for debit or credit memo or adjustment to invoice, debit or credit memo, or payment  <b>User:</b> At present, the only inner ADX amounts will be for tax purposes. The primary use will be to deduct backup withholding, TIPRA withholding, Federal Tax, Social Security and Medicare. <u>Code</u> <u>NAME</u> 55 Tax Deducted	M	ID	2/2
ADX03	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code</u> <u>NAME</u> 43 Supporting Document Number	C	ID	2/3
ADX04	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  <b>User:</b> Document number assigned to this adjustment by the responsible agency. It should be referenced when inquiring. The following PER segment will contain the agencies EMail address.	C	AN	1/30

## Syntax:

P0304 -- If either ADX03 or ADX04 are present, then the others are required.

## Semantics:

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.

# PER

## Administrative Communications Contact

Pos: 230	Max: >1
Detail - Optional	
Loop: ADXElements: 4	

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	<b>Contact Function Code</b> <b>Description:</b> Code identifying the major duty or responsibility of the person or group named <u>Code NAME</u> IC Information Contact	M	ID	2/2
PER02	93	<b>Name</b> <b>Description:</b> Free-form name <b>User:</b> Agency name.	O	AN	1/60
PER03	365	<b>Communication Number Qualifier</b> <b>Description:</b> Code identifying the type of communication number <u>Code NAME</u> EM Electronic Mail	C	ID	2/2
PER04	364	<b>Communication Number</b> <b>Description:</b> Complete communications number including country or area code when applicable	C	AN	1/80

### Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required. P0506 -- If either PER05 or PER06 are present, then the others are required. P0708 -- If either PER07 or PER08 are present, then the others are required.

### User:

Only a single PER per ADX may be sent. This is an optional segment that will be transmitted only if the appropriate data is provided by the agency.

# REF Reference Identification

Pos: 240	Max: 1
Detail - Optional	
Loop: REF	Elements: 2

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification <u>Code NAME</u> ZZ Mutually Defined	M	ID	2/3
REF03	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content <b>User:</b> This element will contain a free format description of the adjustment.	C	AN	1/80

## Syntax:

R0203 -- At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## User:

Only one REF per ADX will be sent.

# SE

## Transaction Set Trailer

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

# GE

## Functional Group Trailer

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	<b>Number of Transaction Sets Included</b> <b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6
GE02	28	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9

### Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

# IEA

## Interchange Control Trailer

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

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	<b>Number of Included Functional Groups</b> <b>Description:</b> A count of the number of functional groups included in an interchange	M	N0	1/5
IEA02	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9

Example: Payment Order and Remittance Advice

The following example is designed to show the States' usage of the 820 for vendor payments. It is not reflective of any real payment, but only to show full document usage.

**EDI Transmitted Data**                      **Data Explanation**  
**Table 1 – Header Area**

*ST\*820\*0001\*

**820** – Transaction Set ID  
**0001** – Transaction Set control number.

---

*BPR\*C\*20000\*C\*ACH\*CTX\*01\*111321468\*  
DA\*0202060100\*386000134V\*STMICHEFT\*01\*  
222678123\*DA\*4697700331\*20000610\*VEN\*

**C** - the payment accompanies the remittance advice.

**20000** - \$20,000.00 is the payment amount.

**C** - indicates that this is a credit.

**ACH** - the payment method is Automated Clearing House.

**CTX** - the payment format is corporate trade exchange.

**01** – qualifier saying the value in the next element will be an ABA transit routing number plus check digits.

**111321468** – ID number of the originating financial institution.

**DA** – qualifier indicating that the following Bank Account Number is a Demand Deposit.

**0202060100** - originators Bank Account Number.

**386000134V** – originators (States') ID.

**STMICHEFT** – the originator is the State of Michigan.

**01** – qualifier saying the value in the next element will be an ABA transit routing number plus check digits.

**222678123** – ID number of the receiving

financial institution.

**DA** – qualifier indicating that the following Bank Account Number is a Demand Deposit.

**4697700331** – receivers Bank Account Number.

**20000610** – good funds date of June 10, 2000.

**VEN** – business reason for the payment is Vendor Payment.

---

**TRN\*1\*4142\*386000134V\*STMICHEFT\**

**1** – indicates the trace type code is Current Transaction Trace Numbers.

**4142** – control number used to tie funds to the remittance.

**386000134V** – originators ID.

**STMICHEFT** – originator is the State of Michigan.

---

**REF\*BT\*1655\**

**BT** – indicates that the next element contains the Batch Number of which this transaction is a part.

**1655** – Batch Number.

---

**NI\*PE\*VENDOR NAME\*G\*1468113626\**

**PE** – the following elements pertain to the Payee.

**VENDOR NAME** – Payees name.

**G** – following element is the Payees ID.

**1468113626** – Payees ID.

---

**NI\*PR\*SOM MAIN FACS\**

**PR** – following element is the Payor.

**SOM MAIN FACS** – Payor = State of Michigan

---

## Table 2 – Detail Area

---

<i>ENT*1</i> \	<b>1</b> – first and only Entity Loop.
<i>NMI*AG*G*DEPT OF TRANSPORTATION</i> \	<b>AG</b> – following elements specify an agency.  <b>G</b> – agency type is governmental.  <b>DEPT OF TRANSPORTATION</b> – paying agency.
<i>PER*AP**EM*AGENCY EMAIL*TE*</i> <i>5175550000</i> \	<b>AP</b> – following elements are for the agencies Accounts Payable Department.  <b>EM</b> – following element contains an Email address.  <b>AGENCY EMAIL</b> – Agency A/P Email address.  <b>TE</b> – following element contains a telephone number.  <b>5175550000</b> – agencies A/P telephone number.
<i>ADX*1000-*WU*43*85296</i> \	<b>1000-</b> - outer loop negative adjustment amount of \$1,000.00.  <b>WU</b> – denotes that this is an unspecified recovery.  <b>43</b> – following element contains the supporting document number of the adjustment.  <b>85296</b> – agencies document reference number.

---

*PER\*IC\*TREASURY DEPT\*EM\*EMAIL\*

**IC** – following elements indicate the agency responsible for the adjustment.

**TREASURY DEPT** – agency name.

**EM** – following element is an Email address.

**EMAIL** – Email address of the responsible agency.

---

*REF\*ZZ\*66715\*OVERPAYMENT\*

**ZZ** – following is mutually defined.

**66715** – vendors invoice number.

**OVERPAYMENT** – adjustment explanation.

---

*RMR\*IV\*1470369\*\*14000\*14000\*

**IV** – following element is the vendors invoice Number.

**1470369** – vendors invoice number.

**14000** – net payment is \$14,000.00.

**14000** – gross payment is \$14,000.00.

---

*REF\*43\*81349\*SAND AND GRAVEL\*

**43** – following elements provide supporting information on the payment.

**81349** – agencies document reference number.

**SAND AND GRAVEL** – payment explanation.

---

*DTM\*003\*20000512\*

**003** – following element contains the invoice date.

**20000512** – May 12, 2000 is the invoice date.

---

*RMR\*\*\*PO\*7000\*10000\*

**PO** – following amount is a payment on account.

**7000** – net payment on account is \$7,000.00.

**10000** – gross payment on account is \$10,000.00.

---

*REF\*43\*852963\*I96 INTERCHANGE 14\*

**43** – following elements provide supporting information on the payment.

**852963** – agencies document reference number.

**I96 INTERCHANGE 14** – payment description.

---

*ADX\*3000-\*55\*43\*258147\*

**3000** - adjustment amount of a negative \$3,000.00.

**55** – adjustment is for tax purposes.

**43** – following element provides supporting information for the adjustment.

**258147** – agencies document reference number.

---

*PER\*IC\*DEPT OF TRANSPORTATION\*  
EM\*EMAIL\*

**IC** – following elements provide an informational contact for the preceding adjustment.

**DEPT OF TRANSPORTATION** – agency to be contacted for further clarification.

**EM** – following element contains an Email address.

**EMAIL** – agencies Email address.

---

*REF\*ZZ\*\*BACKUP WITHHOLDING\*

**ZZ** - following is mutually defined.

**BACKUP WITHHOLDING** - adjustment reason.

---

*SE\*21\*0001\*

**21** – number of segments in the transaction set.

**0001** – document control number. Matches ST02.

---