Federal Implementation Guideline for Electronic Data Interchange

**ASC X12 003040 Transaction Set 820
Payment Order/Remittance Advice**

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

QC

100

.U57

NO.881-11

1997

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003040 Transaction Set 820 Payment Order/Remittance Advice

Implementation Convention

Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

March 1997

U.S. DEPARTMENT OF COMMERCE
William M. Daley, Secretary

Technology Administration
Mary L. Good, Under Secretary for Technology

National Institute of Standards and Technology
Arati Prabhakar, Director

Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

National Institute of Standards and Technology Special Publication 881-11
Natl. Inst. Stand. Technol. Spec. Publ. 881-11, 45 pages (March 1997)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1997

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

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 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.

Notes:

1. Use this transaction set to initiate a vendor payment request with remittance advice from an agency to its disbursing office.
2. This transaction set may also be used by disbursing office to subsequently transmit remittance advice to the vendor.
3. The monetary amount in BPR02 should be the sum of all "outer" loop values in data element ADX01 and all data element RMR04 amounts, if present. The data cited in data elements BPR12-15 are in effect, the vendor's EFT "Remit To" electronic address. The date cited in BPR16 is the date used for early discount and late payment calculations.
4. For a vendor with a single EFT account, only data elements BPR02 and BPR16 will vary per payment.

Heading:

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

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - ENT						>1
010	ENT	Entity	O	1		c4
LOOP ID - N1						>1
020	N1	Name	O	1		c5
030	N2	Additional Name Information	O	>1		
040	N3	Address Information	O	>1		
050	N4	Geographic Location	O	1		
Not Used	060	REF	O	>1		
070	PER	Administrative Communications Contact	O	>1		
LOOP ID - ADX						>1
080	ADX	Adjustment	O	1		c6
Not Used	090	NTE	O	>1		
Not Used	100	PER	O	>1		
105	DTM	Date/Time/Period	O	1		
LOOP ID - REF						>1
110	REF	Reference Numbers	O	1		
Not Used	120	DTM	O	>1		
LOOP ID - IT1						>1
Not Used	130	IT1	O	1		c7
LOOP ID - REF						>1
Not Used	140	REF	O	1		
Not Used	141	DTM	O	1		
LOOP ID - ITA						>1
Not Used	142	ITA	O	1		
Not Used	143	TXI	O	>1		
LOOP ID - SLN						>1
Not Used	144	SLN	O	1		
LOOP ID - REF						>1
Not Used	145	REF	O	1		
Not Used	146	DTM	O	>1		
LOOP ID - ITA						>1
Not Used	147	ITA	O	1		
Not Used	148	TXI	O	>1		
LOOP ID - RMR						>1
150	RMR	Remittance Advice Accounts Receivable Open Item Reference	O	1		c8
Not Used	160	NTE	O	>1		
170	REF	Reference Numbers	O	>1		
180	DTM	Date/Time Reference	O	>1		
LOOP ID - IT1						>1
Not Used	190	IT1	O	1		c9

820 - Payment Order/Remittance Advice

			LOOP ID - REF			>1
Not Used	200	REF	Reference Numbers	O	1	
Not Used	201	DTM	Date/Time/Period	O	1	
			LOOP ID - ITA			>1
Not Used	202	ITA	Allowance, Charge or Service	O	1	
Not Used	203	TXI	Tax Information	O	>1	
			LOOP ID - SLN			>1
Not Used	204	SLN	Subline Item Detail	O	1	
			LOOP ID - REF			>1
Not Used	205	REF	Reference Numbers	O	1	
Not Used	206	DTM	Date/Time/Period	O	>1	
			LOOP ID - ITA			>1
Not Used	207	ITA	Allowance, Charge or Service	O	1	
Not Used	208	TXI	Tax Information	O	>1	
			LOOP ID - ADX			>1
	210	ADX	Adjustment	O	1	c10
Not Used	220	NTE	Note/Special Instruction	O	>1	
Not Used	230	PER	Administrative Communications Contact	O	>1	
			LOOP ID - REF			>1
	240	REF	Reference Numbers	O	1	
	250	DTM	Date/Time/Period	O	>1	
			LOOP ID - IT1			>1
Not Used	260	IT1	Baseline Item Data (Invoice)	O	1	c11
			LOOP ID - REF			>1
Not Used	270	REF	Reference Numbers	O	1	
Not Used	271	DTM	Date/Time/Period	O	1	
			LOOP ID - ITA			>1
Not Used	272	ITA	Allowance, Charge or Service	O	1	
Not Used	273	TXI	Tax Information	O	>1	
			LOOP ID - SLN			>1
Not Used	274	SLN	Subline Item Detail	O	1	
			LOOP ID - REF			>1
Not Used	275	REF	Reference Numbers	O	1	
Not Used	276	DTM	Date/Time/Period	O	>1	
			LOOP ID - ITA			>1
Not Used	277	ITA	Allowance, Charge or Service	O	1	
Not Used	278	TXI	Tax Information	O	>1	
			LOOP ID - TXP			>1
Not Used	280	TXP	Tax Payment	O	1	
Not Used	285	TXI	Tax Information	O	>1	
			LOOP ID - LX			>1
Not Used	290	LX	Assigned Number	O	1	

820 - Payment Order/Remittance Advice

Not Used	295	REF	Reference Numbers	O	>1
Not Used	300	TRN	Trace	O	>1
LOOP ID - NM1					
Not Used	305	NM1	Individual or Organizational Name	O	1
Not Used	310	REF	Reference Numbers	O	>1
Not Used	315	G53	Maintenance Type	O	1
LOOP ID - AIN					
Not Used	320	AIN	Income	O	1
Not Used	325	QTY	Quantity	O	>1
Not Used	330	DTP	Date or Time or Period	O	>1
LOOP ID - PEN					
Not Used	335	PEN	Pension Information	O	1
Not Used	340	AMT	Monetary Amount	O	>1
Not Used	345	DTP	Date or Time or Period	O	>1
LOOP ID - INV					
Not Used	350	INV	Investment Vehicle Selection	O	1
Not Used	355	DTP	Date or Time or Period	O	>1

Summary:

Pos.	Seg.		Req.		Loop	Notes and
No.	ID	Name	Des.	Max.Use	Repeat	Comments
010	SE	Transaction Set Trailer	M	1		

Transaction Set Comments

1. The TRN segment is used to uniquely identify a payment order/remittance advice.
2. The CUR segment does not initiate a foreign exchange transaction.
3. The N1 loop allows for name/address information for the payer and payee which would be utilized to address remittance(s) for delivery.
4. ENT09 may contain the payee's accounts receivable customer number.
5. Allowing the N1 segment to repeat in this area allows the paying entity within a payer and the paid entity within a payee to be identified (not the payer and payee).
6. This ADX loop contains adjustment items which are not netted to an RMR segment in this transaction set.
7. Loop IT1 within the ADX loop is the adjustment line item detail loop.
8. Loop RMR is for open items being referenced or for payment on account.
9. Loop IT1 within the RMR loop is the remittance line item detail loop.
10. This ADX loop can only contain adjustment information for the immediately preceding RMR segment and affects the amount (RMR04) calculation. If this adjustment amount is not netted to the immediately preceding RMR, use the outer ADX loop (position 080).
11. Loop IT1 within the ADX loop is the adjustment line item detail loop.

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
Notes:
Syntax Notes:
Semantic Notes: 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).

Comments:**Data Element Summary**

Ref.	Des.	Data Element	Name	Attributes
>>	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set. 820 X12.4 Payment Order/Remittance Advice	M ID 3/3
>>	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.</i>	M AN 4/9

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

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: (1) To indicate the beginning of a PaymentOrder/Remittance Advice Transaction Set and total payment amount or (2) to enable related transfer of funds and/or information from payer to payee to occur

Notes:

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.

5 If either BPR18 or BPR19 is present, then the other is required.

6 If BPR20 is present, then BPR21 is required.

Semantic Notes: 1 BPR02 specifies the payment amount.

2 When using this transaction set to initiate a payment, 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 BPR12 and BPR13 relate to the receiving depository financial institution (RDFI).

4 BPR15 is the account number of the receiving company to be debited or credited with the payment order.

5 BPR17 is a code identifying the business reason for the this payment.

6 BPR18, BPR19, BPR20 and BPR21, if used, identify a third bank identification number and account to be used for return items only.

Comments: 1 BPR09 is the account of the company originating the payment. This account may be debited or credited depending on the type of payment order.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> BPR01	305	Transaction Handling Code	M ID 1/1
		Code designating the action to be taken by all parties.	
		<i>Use of code C is recommended when transmitting to FMS.</i>	
		C Payment Accompanies Remittance Advice	
		<i>Used by civilian agencies to send payment data to their disbursing office, i.e. handling party.</i>	
		D Make Payment Only	
		I Remittance Information Only	
		<i>Used by disbursing office to send remittance separately.</i>	
		P Prenotification of Future Transfers	
		U Split Payment and Remittance	
>> BPR02	782	Monetary Amount	M R 1/15
		Monetary amount.	
		1. Total monetary amount to be credited.	
		2. A decimal point is required when the amount is in dollars and cents. Total payment amount cannot exceed eleven characters (including the decimal) when	

			<i>converted to NACHA format, e.g. 99999999.99.</i>		
>>	BPR03	478	Credit/Debit Flag Code	M ID	1/1
			Code indicating whether amount is a credit or debit		
			<i>Use to indicate the amount in BPR02 is a credit.</i>		
			Refer to 003040X12 Data Element Dictionary for acceptable code values.		
>>	BPR04	591	Payment Method Code	M ID	3/3
			Code identifying the method for the movement of payment instructions		
			ACH	Automated Clearing House (ACH)	
			CHK	Check	
			<i>When used, cite the check mailing address in the 1/N1/070 loop. Payment by check is discouraged and should be used in the short term only. Agencies should more aggressively convert all vendor payments to ACH.</i>		
	BPR05	812	Payment Format Code	O ID	1/10
			Code identifying the payment format to be used.		
			1. If BPR04 is "CHK" the valid payment format codes are "PBC" or "CBC."		
			2. If BPR04 is "ACH," the valid codes are "CCD", "CCP", "CTX", "PPP" and "CTP".		
			CBC	Consumer/Employee Check	
			CCD	Cash Concentration/Disbursement (CCD) (ACH)	
			CCP	Cash Concentration/Disbursement plus Addenda (CCD+) (ACH)	
			CTP	Corporate Trade Payment (CTP) (ACH)	
			<i>CTP should not be used by Treasury disbursed agencies. DoD will phase out CTP by April 1996.</i>		
			CTX	Corporate Trade Exchange (CTX) (ACH)	
			PBC	Commercial/Corporate Check	
			PPD	Prearranged Payment and Deposit (PPD+) (ACH)	
			PPP	Prearranged Payment and Deposit plus Addenda (PPD+) (ACH)	
>>	BPR06	506	(DFI) ID Number Qualifier	X ID	2/2
			Code identifying the type of identification number of Depository Financial Institution (DFI).		
			01	ABA Transit Routing Number Including Check Digits (9 digits)	
			<i>Use to identify the disbursing office numbers (i.e., the office making the payment).</i>		
>>	BPR07	507	(DFI) Identification Number	X AN	3/12
			Depository Financial Institution (DFI) identification number.		
			<i>For Treasury disbursed agencies, cite the Austin Financial Center's 9-digit RTN. For DoD, cite the disbursing office's RTN.</i>		
>>	BPR08	896	Account Number Qualifier Code	O ID	2/2
			Code indicating type of bank account or other financial asset		
			<i>Use to indicate agency location code. Data maintenance has been submitted to add code ALC to this data element.</i>		
			ZZ	Mutually Defined	
			<i>Use to indicate the agency location code.</i>		
>>	BPR09	508	Account Number	X AN	1/35

			Account number assigned.			
			<i>Cite the Agency Location Code of the paying agency.</i>			
>>	BPR10	509	Originating Company Identifier	O	AN	10/10
			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.			
			<i>For Treasury disbursed agencies, cite the first 8 digits of the Austin Financial Center's 9-digit RTN preceded by the numbers "9" and "3" (i.e., 9311103618). For DoD, cite the disbursing office's assigned number preceded by a "9".</i>			
X	BPR11	510	Originating Company Supplemental Code	O	AN	9/9
			A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions.			
	BPR12	506	(DFI) ID Number Qualifier	X	ID	2/2
			Code identifying the type of identification number of Depository Financial Institution (DFI).			
			<i>1. BPR12 through BPR15 relate to the receiving depository financial institution and account.</i>			
			<i>2. Leave blank if BPR04 is CHK.</i>			
		01	ABA Transit Routing Number Including Check Digits (9 digits)			
			<i>Use to indicate the receiving depository financial institution account number as provided by the vendor at registration.</i>			
	BPR13	507	(DFI) Identification Number	X	AN	3/12
			Depository Financial Institution (DFI) identification number.			
			<i>Use to identify the receiving financial institution for the vendor as provided by the vendor at the time of registration. Cite the receiving financial institution's 9-digit RTN.</i>			
	BPR14	896	Account Number Qualifier Code	O	ID	2/2
			Code indicating type of bank account or other financial asset			
			<i>Use to indicate the type of account and BPR15 to indicate the Payees account number. This data element is required when EFT is used. Leave blank if BPR04 is CHK.</i>			
		DA	Demand Deposit			
		SG	Savings			
	BPR15	508	Account Number	X	AN	1/35
			Account number assigned.			
			<i>Use to identify the receiver's bank account. This data element is required when EFT is used.</i>			
	BPR16	513	Effective Entry Date	O	DT	6/6
			Date the originating company intends for the transaction to be settled.			
			<i>Use only to identify the settlement date.</i>			
	BPR17	1048	Business Function Code	O	ID	1/3
			Code identifying the business reason for this payment			
		VEN	Vendor Payment			

X	BPR18	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI).	X	ID	2/2
X	BPR19	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number.	X	AN	3/12
X	BPR20	896	Account Number Qualifier Code Code indicating type of bank account or other financial asset	O	ID	2/2
X	BPR21	508	Account Number Account number assigned.	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.

Notes: 1. Use this 1/TRN/035 segment to allow originator to identify a payment request for tracking purposes.

2. Although use of this segment is optional, failure to cite a reference number in TRN02 will make it difficult to identify this transaction set in an Application Advice 824 transaction set.

Syntax Notes:

Semantic Notes: 1 TRN02 provides unique identification for the transaction.

2 TRN03 identifies an organization.

3 TRN04 identifies a further subdivision within the organization.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	TRN01	481	Trace Type Code Code identifying which transaction is being referenced.	M ID 1/2
			1 Current Transaction Trace Numbers <i>Treasury disbursed agencies use this code.</i>	
			3 Financial Reassociation Trace Number The matching of payment and remittance information originated separately <i>To be used by disbursing offices when BPR01 is code I or U.</i>	
>>	TRN02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. <i>A unique number assigned by the originator of the transaction set (i.e., the disbursing office).</i>	M AN 1/30
X	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
X	TRN04	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	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
Notes: This segment is used by non-Treasury disbursed agencies.
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR11 is present, then CUR10 is required.
- 4 If CUR12 is present, then CUR10 is required.
- 5 If CUR14 is present, then CUR13 is required.
- 6 If CUR15 is present, then CUR13 is required.
- 7 If CUR17 is present, then CUR16 is required.
- 8 If CUR18 is present, then CUR16 is required.
- 9 If CUR20 is present, then CUR19 is required.
- 10 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes
>>	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual PR Payer	M ID 2/2
>>	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	M ID 3/3
	CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another.	O R 4/6
	CUR04	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual Refer to 003040X12 Data Element Dictionary for acceptable code values.	O ID 2/2
	CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	O ID 3/3
	CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based. Refer to 003040X12 Data Element Dictionary for acceptable code values.	O ID 3/3
	CUR07	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. Refer to 003040X12 Data Element Dictionary for acceptable code values.	X ID 3/3
	CUR08	373	Date Date (YYMMDD).	O DT 6/6
	CUR09	337	Time 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	O TM 4/8

			expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
	CUR10	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time.			
			Refer to 003040X12 Data Element Dictionary for acceptable code values.			
	CUR11	373	Date	O	DT	6/6
			Date (YYMMDD).			
	CUR12	337	Time	O	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)			
X	CUR13	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time.			
X	CUR14	373	Date	O	DT	6/6
			Date (YYMMDD).			
X	CUR15	337	Time	O	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)			
X	CUR16	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time.			
X	CUR17	373	Date	O	DT	6/6
			Date (YYMMDD).			
X	CUR18	337	Time	O	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)			
X	CUR19	374	Date/Time Qualifier	X	ID	3/3
			Code specifying type of date or time, or both date and time.			
X	CUR20	373	Date	O	DT	6/6
			Date (YYMMDD).			
X	CUR21	337	Time	O	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)			

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

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		72 Schedule Reference Number Identifies a number for a program schedule (for example, a logic type of network) or working schedule to complete a specific task or set of tasks <i>Use to indicate a payment schedule number submitted by the agency authorizing the payment.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X REF03	352	Description A free-form description to clarify the related data elements and their content.	X AN 1/80

Segment: **DTM** Date/Time Reference
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Notes: Use this 1/DTM/060 segment to identify the date of this transaction set and the effective date and time of the payment.
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
>>	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time.	
			007 Effective	
			Use to indicate the effective date and time of the payment.	
			097 Transaction Creation	
			This code is used by non-Treasury disbursed agencies.	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD).	
	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)	
X	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.	
X	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY).	
X	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format.	
X	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times.	

Segment: **N1** Name
Position: 070
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Notes:

1. Use two repetitions of the N1 loop to identify at least the payer and payee organizations.
2. Whenever possible, address information should be transmitted using code values contained in a combination of the N101 and N103/4 data elements. Use N102 and N2-N4 segments only when it is necessary to transmit the full address. For example, if a vendor can be identified by a DUNs number, it is not necessary to transmit the vendor's full address since the relationship between the DUNs number and the vendor's address can be established by accessing a database in which the information is stored, having been put there at the time the vendor electronically registered as a federal government trading partner. For Treasury disbursed agencies, the Treasury assigned Originator Name should be carried in N102 when N101 is code PR.
3. Use the 1/N1/070 loop to identify organization or people that apply to all of the line items, or are not applicable at the line item level. When the addresses vary by line item, use the 2/N1/020 loop.

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:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> N101	98	Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		PE Payee	
		Use to indicate the vendor. When used, indicate the vendor's DUNs number in the N103/04.	
		PR Payer	
N102	93	Name	X AN 1/35
		Free-form name.	
		1. When the N101 is code PR, use to indicate either Treasury Assigned Originator Name of the agency authorizing the payment (for Treasury disbursed agencies) or the disbursing office (for DoD disbursed agencies).	
		2. When N101 code is PE, cite the name of the payee.	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	
		1 D-U-N-S Number, Dun & Bradstreet	

33 Commercial and Government Entity (CAGE)
 93 Code assigned by the organization originating the transaction set
Until conversion to DUNS numbers, agencies may cite an agency vendor identification number or an agency internal vendor identification number as related to the agency's payment system. Use only when an other listed code is not applicable.
 FI Federal Taxpayer's Identification Number
Use to indicate either the EIN or SSN as appropriate. Required when applicable.

	N104	67	Identification Code	X	AN	2/17
			Code identifying a party or other code.			
X	N105	706	Entity Relationship Code	O	ID	2/2
			Code describing entity relationship.			
X	N106	98	Entity Identifier Code	O	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			

Segment: **N2** Additional Name Information
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify additional names or those longer than 35 characters in length
Notes: This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite a name to appear on a payment check when that method of payment has been approved.

Syntax Notes:

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N201	93	Name Free-form name.	M AN 1/35
	N202	93	Name Free-form name.	O AN 1/35

Segment: **N3** Address Information
Position: 090
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the location of the named party
Notes: 1. This segment is not necessary when the cited party can be identified by a code value in the N101/03/04. Use, when necessary, to cite the address to appear on a payment check when that method of payment has been approved.

2. This segment is used to cite the street address of the vendor being paid and may include an "Attention" line in the address. For example:

10 Main Street
 Attn: Accounts Receivable Department.

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location
Position: 100
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: This segment is not necessary when the cited party can be identified by a code value in the N101/03/04. Use, when necessary, to cite the address to appear on a payment check when that method of payment has been approved.
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 USA or Canada.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
N401		19	City Name	O AN 2/30
			Free-form text for city name.	
N402		156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency.	
N403		116	Postal Code	O ID 3/9
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	
N404		26	Country Code	O ID 2/3
			Code identifying the country.	
X	N405	309	Location Qualifier	X ID 1/2
			Code identifying type of location.	
X	N406	310	Location Identifier	O AN 1/30
			Code which identifies a specific location.	

Segment: **REF** Reference Numbers
Position: 110
Loop: N1
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Notes: This segment is used by non-Treasury disbursed agencies.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		M ID 2/2
>> REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	
		72 Schedule Reference Number Identifies a number for a program schedule (for example, a logic type of network) or working schedule to complete a specific task or set of tasks <i>Use to indicate a payment schedule number submitted by the agency authorizing the payment.</i>	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X REF03	352	Description A free-form description to clarify the related data elements and their content.	X AN 1/80

Segment: **PER** Administrative Communications Contact

Position: 120

Loop: N1

Level: Heading

Usage: Optional

Max Use: >1

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

Notes: Use this 1/PER/120 segment to identify a contact that applies to all of the line items, or are not applicable at the line item level. When the contact varies by line item, use the 2/PER/070 segment.

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> PER01	366	Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named.	
		IC Information Contact	
PER02	93	Name	O AN 1/35
		Free-form name.	
		<i>Cite the last name first, followed by the first name. Do not truncate the last name if whole name is longer than 35 characters. Instead, truncate the first name or use the first initial of the first name.</i>	
PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number.	
		<i>Use to identify the preferred method of communication in the first repetition. Use PER05/06 to identify an additional communication number. Use additional repetitions of PER segment to identify additional numbers.</i>	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		EM Electronic Mail	
		FX Facsimile	
		IT International Telephone	
		TE Telephone	
		TL Telex	
		TM Telemail	
		TX TWX	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable.	
		<i>Do not include blank spaces or dashes between numbers.</i>	
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number.	

*Use to identify a second communications number for the party cited in PER02.
For example, if PER03/04 cites a commercial telephone number, PER05/06 can
be used to cite an Electronic Mail address.*

AU	Defense Switched Network
	Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
IT	International Telephone
MN	Modem Number
TE	Telephone
TL	Telex
TM	Telemail
TX	TWX

PER06 364 Communication Number X AN 1/80

Complete communications number including country or area code when
applicable.

Do not include blanks spaces or dashes between numbers.

Segment: **ENT** Entity

Position: 010

Loop: ENT

Level: Detail

Usage: Optional

Max Use: 1

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

Notes:

1. Agencies will use either a single iteration of the 2/ENT/010 loop for payment data/remittance advice directly to the payee organization (single/single as described in comments 1 and 2 below, or more than one iteration, if consolidated payer (for multiple/single transaction) as described in comment 4 below.
2. For Treasury disbursed agencies, neither the ENT segment nor N1 segments within the ENT loop should refer to Remit TO, Payee or Payer.

Syntax Notes:

- 1 If any of ENT02 ENT03 or ENT04 is present, then all are required.
- 2 If any of ENT05 ENT06 or ENT07 is present, then all are required.
- 3 If either ENT08 or ENT09 is present, then the other is required.

Semantic 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:
 - (1) Single/Single: Only ENT01 is necessary because there is a single entity (the sending master) communicating with a single entity (the receiving master).
 - (2) Single/Multiple: ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master. The sending master is a single entity so no other data elements need be used.
 - (3) Multiple/Single: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. The receiving master is a single entity so no other data elements need be used.
 - (4) Multiple/Multiple: ENT02, ENT03, and ENT04 would be used to identify the entities within the sending master. ENT05, ENT06, and ENT07 would be used to identify the entities within the receiving master.
 This segment also allows for the transmission of a unique reference number that is meaningful between the entities.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
ENT01	554	Assigned Number	O N0 1/6
		Number assigned for differentiation within a transaction set.	
		<i>Sequential number assigned by the agency to each entity in the transaction.</i>	
ENT02	98	Entity Identifier Code	X ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		<i>Use any code.</i>	
		Refer to 003040X12 Data Element Dictionary for acceptable code values.	
ENT03	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67).	

Use any code.

Refer to 003040X12 Data Element Dictionary for acceptable code values.

	ENT04	67	Identification Code	X	AN	2/17
			Code identifying a party or other code.			
X	ENT05	98	Entity Identifier Code	X	ID	2/2
			Code identifying an organizational entity, a physical location, or an individual			
X	ENT06	66	Identification Code Qualifier	X	ID	1/2
			Code designating the system/method of code structure used for Identification Code (67).			
X	ENT07	67	Identification Code	X	AN	2/17
			Code identifying a party or other code.			
X	ENT08	128	Reference Number Qualifier	X	ID	2/2
			Code qualifying the Reference Number.			
X	ENT09	127	Reference Number	X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			

Segment: **N1** Name
Position: 020
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Notes: Use this 2/N1/020 loop to identify agency facility locations authorizing payment and the address of the payee.
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: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual	M ID 2/2
		12 Regional Office	
		15 Accounts Payable Office	
		2A Federal, State, County or City Facility	
		2R Federal Facility	
		PE Payee	
		<i>This code is used only by DoD.</i>	
N102	93	Name Free-form name.	X AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	X ID 1/2
		1 D-U-N-S Number, Dun & Bradstreet	
N104	67	Identification Code Code identifying a party or other code.	X AN 2/17
N105	706	Entity Relationship Code Code describing entity relationship. <i>Use any code.</i>	O ID 2/2
		Refer to 003040X12 Data Element Dictionary for acceptable code values.	
N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual <i>Use any code.</i>	O ID 2/2
		Refer to 003040X12 Data Element Dictionary for acceptable code values.	

Segment: **N2** Additional Name Information
Position: 030
Loop: N1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify additional names or those longer than 35 characters in length
Notes: 1. This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite the address to appear on a payment check when that method of payment has been approved.
2. This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite a name to appear on a payment check.

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

Segment: **N3** Address Information
Position: 040
Loop: N1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify the location of the named party
Notes: This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite an address to which a check is to be mailed.

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

Segment: **N4** Geographic Location
Position: 050
Loop: N1
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Notes: This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite an address to which a check is to be mailed.
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 USA or Canada.

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
N401		19	City Name	O AN 2/30
			Free-form text for city name.	
N402		156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency.	
N403		116	Postal Code	O ID 3/9
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	
N404		26	Country Code	O ID 2/3
			Code identifying the country.	
X	N405	309	Location Qualifier	X ID 1/2
			Code identifying type of location.	
X	N406	310	Location Identifier	O AN 1/30
			Code which identifies a specific location.	

Segment: **PER** Administrative Communications Contact
Position: 070
Loop: N1
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Notes: Use this 2/PER/070 segment to identify a contact that applies to specific line items. When the contact applies to all of the line items, use 1/PER/120 segment.
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named. IC Information Contact	M ID 2/2
PER02	93	Name Free-form name. <i>Cite the last name first, followed by the first name. Do not truncate the last name if the whole name is longer than 35 characters. Instead, truncate the first name or use the initial of the first name.</i>	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number. <i>Use to identify the preferred method of communication in the first repetition. Use PER05/06 to identify an additional communication number. Use additional repetitions of the PER segment to identify additional numbers.</i> AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) EM Electronic Mail FX Facsimile IT International Telephone TE Telephone TL Telex TM Telemail TX TWX	X ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable. <i>Do not include blank spaces or dashes between numbers.</i>	X AN 1/80
PER05	365	Communication Number Qualifier Code identifying the type of communication number. <i>Use to identify a second communications number for the party cited in PER02.</i>	X ID 2/2

Segment: **ADX** Adjustment

Position: 080

Loop: ADX

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To convey accounts payable adjustment information for the purpose of cash application, including payer-generated debit/credit memos

Notes: 1. Use this 2/ADX/080 loop when payment amount differs from invoice to indicate adjustments included in the total amount paid based on adjustments to previously submitted invoices, not related to those indicated in the 2/RMR/150 loop. Segment can only be used when payment method is CTX or when sending remittance separately.

2. Use multiple iterations of this 2/ADX/080 to indicate multiple adjustments and reasons.

3. The outer ADX loop contains adjustment items that are not specifically netted to an RMR segment in the same transmission. An adjustment is being made to a previously remitted invoice not referenced in any of the RMR segments listed in the current transmission. An ADX loop can also be used in an account payable, post audit process with an adjustment present after the original invoice is processed. Because of the timing difference, this may cause the adjustment to appear in the outer loop of the same transmission in which the RMR segment is referenced.

Syntax Notes: 1 If either ADX03 or ADX04 is present, then the other is required.

Semantic Notes: 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.

Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
>> ADX01	782	Monetary Amount	M	R 1/15
		Monetary amount.		
		1. Use to indicate the adjustment amount.		
		2. Use a minus sign to indicate a debit.		
		3. A decimal point is required when the amount is in dollars and cents.		
>> ADX02	426	Adjustment Reason Code	M	ID 2/2
		Code indicating reason for credit memo, or adjustment to invoice, credit memo, or payment.		
		Use any authorized codes but listed codes are preferred.		
		<i>L1 Audit</i>		
		Use to indicate an itemized charge has been adjusted to the amount due to a pre-audit being performed; that audit identified a variance between the amount authorized by the receiver of the goods/service and the amount charged by the provider of the goods/service.		

L2 Discount

Use to indicate the dollar value of the discount applied that reduces the payment amount to the payee.

L3 Penalty

Use to indicate the dollar value of the penalty assessed a business entity for a past due debt.

L4 Administratives Fee

Use to indicate the dollar value of the administrative fee assessed a business entity for handling a debt.

L6 Intrest Owed

Use to indicate a late payment penalty under the Prompt Payment Act.

L7 Miscellaneous Deductions

Use to indicate a deduction taken from the amount due a business entity for which no specific reason code exists. When used, provide an explanation in REF03 of the 2/REF/110 segment.

L8 Miscellaneous Credits

Use to indicate an amount that increases the payment due a business entity for which no specific reason code exists. When used, provide an explanation in REF03 of the 2/REF/110 segment.

LP Late Payment

*Use to indicate a late payment under the Prompt Payment Act.
Refer to 003040X12 Data Element Dictionary for acceptable code values.*

ADX03**128****Reference Number Qualifier****X ID 2/2**

Code qualifying the Reference Number.

1. Use to indicate the previous invoice or other billing document number for affecting the current adjustment.

2. While any approved code may be used, listed codes are preferred.

*AM Adjustment Memo**BL Government Bill of Lading**BM Bill of Lading Number**CL Seller's Credit Memo**CM Credit Memo**CN Carrier's Reference Number**DB Buyer;s debit Memo**DL Debit Memo**IK Invoice Number**MB Master Bill of Lading**RZ Returned Goods Authorization Number**SI Shipper's Identifying Number for Shipment**TR Government Transportation Request*

Refer to 003040X12 Data Element Dictionary for acceptable code values.

ADX04**127****Reference Number****X AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Segment: **DTM** Date/Time/Period
Position: 105
Loop: ADX
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Notes:
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
>>	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 140 Actual <i>Use to indicate the actual date of the document specified in the immediately preceding ADX segment.</i>	M ID 3/3
	DTM02	373	Date Date (YYMMDD).	X DT 6/6
X	DTM03	337	Time 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)	X TM 4/8
X	DTM04	623	Time Code 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.	O ID 2/2
X	DTM05	624	Century The first two characters in the designation of the year (CCYY).	O N0 2/2
	DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format. <i>Use to identify the period for which interest was owed under the Prompt Payment Act in the preceding ADX segment.</i> Refer to 003040X12 Data Element Dictionary for acceptable code values.	X ID 2/3
	DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times.	X AN 1/35

Segment: **REF** Reference Numbers
Position: 110
Loop: REF
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying numbers.
Notes: Use this segment, if applicable, to cite ancillary reference numbers relating to the preceding ADX segment.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Use any code to cite an ancillary reference number relating to the data contained in the immediately preceding ADX segment.</i> <i>RB Rate code number</i> <i>When ADX02 is code L6, use to indicate the interest rate used to calculate the interest paid in the preceding ADX segment.</i> Refer to 003040X12 Data Element Dictionary for acceptable code values.	M ID 2/2
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content. <i>When ADX02 is code L7 or L8, use to provide an explanation of the miscellaneous deduction or credit resulting from the document number cited in the REF01/02.</i>	X AN 1/80

Segment: **RMR** Remittance Advice Accounts Receivable Open Item Reference
Position: 150
Loop: RMR
Level: Detail
Usage: Optional
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
Notes: 1. Use multiple iterations of the 2/RMR/150 loop as needed to indicate individual invoice numbers included within the remittance amount.

2. This segment is not necessary when the cited party can be identified by a code value in N101/03/04. Use, when necessary, to cite the address to appear on a payment check when that method of payment has been approved.

3. Use to identify all open items to be included in the cash application (i.e., invoices, seller credit memos, etc.). Include agency data as available, in all relevant data elements in each iteration of an RMR segment.

- Syntax Notes:** 1 If either RMR01 or RMR02 is present, then the other is required.
Semantic Notes: 1 If RMR03 is present, it specifies how the cash is to be applied.
Comments: 1 Parties using this segment should agree on the content of RMR01 and RMR02 prior to initiating communication.
 2 If RMR03 is not present, this is a payment for an open item. If paying an open item, RMR02 must be present. If not paying a specific open item, RMR04 must be present.
 3 RMR04 is the amount paid.
 4 RMR05 may be needed by some payees to distinguish between duplicate reference numbers.
 5 RMR06 may be used to specify discount taken.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
RMR01	128	Reference Number Qualifier	X ID 2/2
		Code qualifying the Reference Number.	
		<i>When used in a system employing evaluated receipt settlement (ERS), there must be at least one iteration of the RMR segment citing one of codes BM, PK, or SI in data element RMR01.</i>	
	IV	Related Vendor Order Number	
		A vendor's order number that is in addition to a primary order number	
	AM	Adjustment Memo (Charge Back)	
	BM	Bill of Lading Number	
	CL	Seller's Credit Memo	
	DL	Debit Memo	
	IV	Seller's Invoice Number	
	OI	Original Invoice Number	
	PK	Packing List Number	
	R7	Accounts Receivable Open Item	
		<i>Use, as applicable, as a generic reference to an open</i>	

			<i>item unless another listed qualifier code defines the precise nature of the item being referenced.</i>			
		SI	Shipper's Identifying Number for Shipment (SID)			
			A unique number (to the shipper) assigned by the shipper to identify the shipment			
RMR02	127	Reference Number		X	AN	1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
RMR03	482	Payment Action Code		O	ID	2/2
			Code specifying the type of accounts receivable open item(s) to be included in a cash application.			
		ER	Evaluated Receipts Settlement			
		NS	Not Specified (Unknown as to Type of Payment)			
		PA	Payment in Advance			
		PI	Pay Item			
			<i>Use in preference over code PP when an item is expected to be cleared.</i>			
		PO	Payment on Account			
		PP	Partial Payment			
			<i>Do not use for progressive payment. This code is used only when a partial payment is applicable. Data maintenance shall be requested for the addition of a code to indicate an applicable progress payment. Do not use this code if an item is expected to be cleared. Use code PI instead.</i>			
RMR04	782	Monetary Amount		O	R	1/15
			Monetary amount.			
			<i>1. Use to indicate the amount paid on the specified invoice.</i>			
			<i>2. A decimal point is required when amount is in dollars and cents.</i>			
RMR05	777	Total Invoice or Credit/Debit Amount		O	R	1/15
			Amount of Invoice (including charges, less allowances) before terms discount (if discount is applicable) or debit amount or credit amount of referenced items. Use to indicate the amount invoiced for.			
RMR06	780	Amount of Discount Taken		O	R	1/15
			Amount of discount taken, which may be less than or equal to the amount of discount permitted			

Segment: **REF** Reference Numbers
Position: 170
Loop: RMR
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying numbers.
Notes: This segment contains ancillary reference numbers relating to the preceding RMR segment. This segment shall not be used to identify the primary document number. Instead, cite that number in data elements RMR01/02.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.		Data	Name		Attributes	
	Des.	Element				
>>	REF01	128	Reference Number Qualifier		M	ID 2/2
			Code qualifying the Reference Number.			
			While any code can be used, listed codes are preferred.			
			AA Accounts Receivable Statement Number			
			BL Government Bill of Lading			
			BM Bill of Lading			
			BT Batch Number			
			CK Check Number			
			CN Carrier's Reference Number			
			DO Delivery Order Number			
			DP Department Number			
			GC Government Contract Number			
			IV Seller's Invoice Number			
			MB Master Bill of Lading			
			MG Meter Number			
			PO Purchase Order Number			
			RZ Returned Goods Authorization Number			
			SH Sender Defined Clause			
			SI Shipper's Identifying Number of Shipment			
			ST Store Number			
			TR Government Transportation Request			
			VV Voucher			
			XG Airline Ticket Number			
			XH Contract Auditor ID Number			
			Refer to 003040X12 Data Element Dictionary for acceptable code values.			
	REF02	127	Reference Number		X	AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
X	REF03	352	Description		X	AN 1/80
			A free-form description to clarify the related data elements and their content.			

Segment: **DTM** Date/Time Reference
Position: 180
Loop: RMR
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Notes: Cite the date of the document specified in the preceding RMR segment.
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. <i>The actual date of the document cited in the preceding data element RMR02.</i> 140 Actual	M ID 3/3
DTM02	373	Date Date (YYMMDD).	X DT 6/6
X DTM03	337	Time 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)	X TM 4/8
X DTM04	623	Time Code 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.	O ID 2/2
X DTM05	624	Century The first two characters in the designation of the year (CCYY).	O N0 2/2
X DTM06	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format.	X ID 2/3
X DTM07	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times.	X AN 1/35

Segment: **ADX** Adjustment

Position: 210

Loop: ADX

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To convey accounts payable adjustment information for the purpose of cash application, including payer-generated debit/credit memos

Notes: 1. When payment amount varies from invoice amount, use multiple iterations of this 2/ADX/210 loop as needed to identify one or more adjustments to the current invoice indicated in the corresponding 2/RMR/150 loop.

2. Use this 2/ADX/210 segment only when payment method is CTX (BPR05 is code CTX).

- Syntax Notes:** 1 If either ADX03 or ADX04 is present, then the other is required.
- Semantic Notes:** 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.

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> ADX01	782	Monetary Amount Monetary amount. <i>1. Use to indicate the adjustment amount.</i> <i>2. Use a minus sign to indicate a debit.</i>	M R 1/15
>> ADX02	426	Adjustment Reason Code Code indicating reason for credit memo, or adjustment to invoice, credit memo, or payment. <i>While any approved code may be used, listed codes are preferred.</i> 01 Pricing Error 06 Quantity Contested 11 Returns - Damage 22 Weight Error 23 Special Charge Not Authorized 54 Freight Deducted 55 Tax deducted 72 Authorized Return 74 Cancel or Adjust Prior Credit/Debit Adjustment 75 Total Order Not Received 87 Duplicate Shipment A2 Misshipped A4 Nonreceipt of Goods E9 Order Cancelled L6 Interest Owed	M ID 2/2

Use to indicate late payment penalty under the Prompt Payment Act.

L7 Miscellaneous Deduction

L8 Miscellaneous Credit

Refer to 003040X12 Data Element Dictionary for acceptable code values.

ADX03	128	Reference Number Qualifier	X	ID	2/2
--------------	------------	-----------------------------------	----------	-----------	------------

Code qualifying the Reference Number.

Refer to 003040X12 Data Element Dictionary for acceptable code values.

ADX04	127	Reference Number	X	AN	1/30
--------------	------------	-------------------------	----------	-----------	-------------

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Segment: **REF** Reference Numbers
Position: 240
Loop: REF
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying numbers.
Notes: Use this segment, if applicable, to cite ancillary reference numbers relating to the preceding ADX segment.
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Use any code to cite an ancillary reference number relating to the data contained in the immediately preceding ADX segment.</i> <i>RB Rate Code number</i> <i>When ADX02 is code L6, use to indicate the interest rate used to calculate the interest paid in the preceding ADX segment.</i> Refer to 003040X12 Data Element Dictionary for acceptable code values.	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
X	REF03	352	Description A free-form description to clarify the related data elements and their content.	X AN 1/80

Segment: **DTM** Date/Time/Period
Position: 250
Loop: REF
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Notes:
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Des.	Data Element	Name	Attributes
>>	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time.	
			140 Actual	
			Use to indicate the actual date of the document specified in the immediately preceding ADX segment.	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD).	
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)	
X	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.	
X	DTM05	624	Century	O NO 2/2
			The first two characters in the designation of the year (CCYY).	
	DTM06	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format.	
			Use to identify the period for which interest was owed under the Prompt Payment Act in the preceding ADX segment.	
			RD6 Range of Dates Expressed in Format YYMMDD-YYMMDD	
	DTM07	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times.	

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).

Notes:
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>> SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M N0 1/10
>> SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Cite the same number that is contained in ST02.</i>	M AN 4/9

NIST Technical Publications

Periodical

Journal of Research of the National Institute of Standards and Technology—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

Building Science Series—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

Order the following NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency Reports (NISTIR)—A special series of interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is by the National Technical Information Service, Springfield, VA 22161, in paper copy or microfiche form.

U.S. Department of Commerce
National Institute of Standards
and Technology
Gaithersburg, MD 20899-0001

Official Business
Penalty for Private Use \$300