

820 AVNET Payment Order/Remittance Advice

This standard provides the format and establishes the data contents of a payment order/remittance advice transaction set. The payment order/remittance advice transaction set can be used for three different purposes: (1) to order a financial institution to make payment to payee(s) on behalf of the sending party, (2) to report the completion of a payment to payee(s) by a financial institution, and (3) to give advice to the payee by the payor on the application of a payment made with the payment order or by some other means. This standard is not designed for exception reporting from the financial institution to either party.

Table 1

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
378	010	ST	Transaction Set Header	M	1	
379	020	BPS	Beginning Segment for Payment Order/Remittance Advice	M	1	
N/U	030	NTE	Note/Special Instruction	F	100	
382	040	CUR	Currency	O	1	
384	050	REF	Reference Numbers	M	5	
385	060	DTM	Date/Time Reference	M	10	
LOOP ID - N1						200
N/U	070	N1	Name	O	1	
N/U	080	N2	Additional Name Information	O	2	
N/U	090	N3	Address Information	O	2	
N/U	100	N4	Geographic Location	O	1	
N/U	110	REF	Reference Numbers	O	12	
N/U	120	PER	Administrative Communications Contact	O	3	

Table 2

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
386	010	LS	Loop Header	M	1	
LOOP ID - N1						10000
387	020	N1	Name	M	1	
LOOP ID - N1/RMT						>1
388	030	RMT	Remittance Advice	O	1	
390	040	CUR	Currency	O	1	
N/U	050	REF	Reference Numbers	O	15	
392	060	DTM	Date/Time Reference	O	10	
393	070	LE	Loop Trailer	M	1	

Table 3

PAGE #	POS. #	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
394	010	SE	Transaction Set Trailer	M	1	

SEGMENT: **ST** Transaction Set Header
 LEVEL: Header
 LOOP: _____
 USAGE: Mandatory
 MAX USE: 1
 PURPOSE: To indicate the start of a transaction set and to assign a control number
 COMMENTS: **A** The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set.	M ID 3/3
820 X12.4 Remittance/Payment Advice			
ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9
Use system generated transaction number.			

SEGMENT: **BPS** Beginning Segment for Payment Order/Remittance Advice

LEVEL: Header

LOOP: _____

USAGE: Mandatory

MAX USE: 1

PURPOSE: To (1) indicate the beginning of a payment order/remittance advice transaction set and total payment and (2) to enable related transfer of funds and/or information from payor to payee to occur while utilizing an automated clearing house (ACH) or other banking network.

COMMENTS: **A** BPS02 is the total currency amount of all items being paid in this transaction.

B When using this transaction set to initiate a payment, BPS04, BPS05, BPS07, BPS09, BPS10, BPS11, and BPS12 may be required, depending upon the conventions issued by the specific banking channel being used. BPS04 and BPS05 relate to the originating depository financial institute (DFI).

C BPS06 is the account number of the sending company to be debited or credited with payment.

D BPS09 and BPS10 relate to the receiving DFI.

E BPS11 is the account number of the receiving company to be debited or credited with the payment.

F BPS13 is conditional on the ability of the receiving depository financial institution (RDFI) to furnish the actual settlement date, and shall be left blank (omitted) by the originating company.

NOTES: **Although BPS04 through BPS12 are optional, they are required when the code value for BPS03 is "D" or "X".**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BPS01	591	Payment Method Code	M ID 3/3
		Code used to designate the actual funds transfer method.	
		ACC Automatic Clearing House Credit	
		ADC ACH Demand Credit	
		ADD ACH Demand Debit	
		DPC ACH Demand Corporate Trade Payment (CTP) Credit	
		DXC ACH Demand Corporate Trade Exchange (CTX) Credit	
		DXD ACH Demand Corporate Trade Exchange (CTX) Debit	
		DZC ACH Demand Cash Concentration/Disbursement Plus (CCD+) Credit	

		DZD ACH Demand Cash Concentration/Disbursement Plus (CCD+) Debit			
		PAC Preauthorized Check (Draft)			
		PBD Pay By Draft			
		WRT Wire Transfer			
BPS02	782	Monetary Amount Monetary amount.	M R	1/15	
BPS03	305	Transaction Handling Code Code designating the action to be taken by all parties.	M ID	1/1	
		D Make Payment Only			
		I Remittance Information Only			
		X Make Payment and Send Remittance Advice			
BPS04	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI).	O ID	2/2	
		01 ABA Transit Routing Number Including Check Digits (9 digits)			
		02 Swift Identification (8 or 11 characters)			
		03 CHIPS (3 or 4 digits)			
		04 Canadian Bank Branch and Institution Number			
BPS05	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number.	O AN	3/12	
BPS06	508	Account Number Account number assigned.	O AN	1/35	
BPS07	509	Originating Company ID Number A unique number identifying the company initiating the funds transfer instructions. The first character is a 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	
BPS08	510	Originating Company Supplemental Code A code defined between the originating company and the originating depository financial institution (ODFI) that uniquely identifies the company initiating the transfer instructions.	O AN	9/9	
		Not Used by AVNET			
BPS09	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI).	O ID	2/2	
		See BPS04 for code list.			
BPS10	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number.	O AN	3/12	

BPS11	508	Account Number Account number assigned.	O AN	1/35
BPS12	513	Effective Entry Date Date the originating company intends for the transaction to be settled.	O DT	6/6
BPS13	727	Settlement Date The date the transaction is actually settled. This field is to be used only by the receiving depository financial institution. It must be left blank by the originating company.	C DT	6/6

SEGMENT: **CUR** Currency

LEVEL: Header

LOOP: _____

USAGE: Optional

MAX USE: 1

PURPOSE: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

- SYNTAX:
- 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.

COMMENTS: **A** Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver).

CUR*BY*CAD*N/L

Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values.

B CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L
1 2 3 4

1. Identifies the buyer's (BY) currency as U.S. dollars (USD).
2. The multiplier (1.20) is the exchange rate factor for the conversion.
3. Identifies the seller's (SE) currency as Canadian dollars (CAD).
4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400).

The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
SE Selling Party			
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	M ID 3/3
The ASC X12 003010 segment "CUR" contains nineteen additional data elements not used by AVNET.			

SEGMENT: **REF** Reference Numbers
 LEVEL: Header
 LOOP: _____
 USAGE: Mandatory
 MAX USE: 5
 PURPOSE: To specify identifying numbers.
 SYNTAX: 1 Either REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		CK Check Number	
		DN Draft Number	
		EM Electronic Payment Reference Number	
		EZ Electronic Data Interchange Agreement Number	
		LB Lockbox	
		TN Transaction Reference Number	
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

SEGMENT: **DTM** Date/Time Reference
 LEVEL: Header
 LOOP: _____
 USAGE: Mandatory
 MAX USE: 10
 PURPOSE: To specify pertinent dates and times
 SYNTAX: 1 At least one of DTM02 or DTM03 must be present.

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.	M ID 3/3
		007 Effective	
		020 Check	
		097 Transaction Creation	
		107 Deposit	
		109 Received at Lockbox	
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4
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
		GM Greenwich Mean Time	

SEGMENT: **LS** Loop Header

LEVEL: Detail

LOOP: _____

USAGE: Mandatory

MAX USE: 1

PURPOSE: To indicate that the next segment begins a loop

SYNTAX: **1** One loop may be nested (contained) within another loop, provided the inner (nested) loop terminates before the outer loop. When specified by the standard setting body as "mandatory", this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The preferred value for the identifier is the segment ID of the required loop beginning segment.

COMMENTS: **A** LS is a control segment. LS is always used in conjunction with a corresponding loop trailer (end) - LE, as illustrated below. The LS and LE indicate the start and end of a loop but are not part of the iteration of the loop.

LOOP NESTING

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Loop "A" Header (LS "A")
  Loop "B" Header (LS "B")
    Loop "C" Header (LS "C")
      Loop "C" Trailer (LE "C")
    Loop "D" Header (LS "D")
      Loop "D" Trailer (LE "D")
    Loop "B" Trailer (LE "B")
  Loop "A" Trailer (LE "A")
  
```

Neither LS nor LE is used if the data within the loop is not used.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LS01	447	Loop Identifier Code	M ID 1/4
		Code identifying a loop within the transaction set which is bounded by the related LS and LE segments (corresponding LS and LE segments must have the same value for loop identifier). (Note: The loop ID number given on the transaction set diagram is recommended as the value for this data element in segments LS and LE.)	

SEGMENT: **N1** Name
 LEVEL: Detail
 LOOP: N1 REPEAT: 10000
 USAGE: Mandatory
 MAX USE: 1
 PURPOSE: To identify a party by type of organization, name and code
 SYNTAX: 1 At least one of N102 or N103 must be present.
 2 If either N103 or N104 is present, then the other is required.
 COMMENTS: **A** 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.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
		PE Payee	
		PR Payer	
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67).	C ID 1/2
		1 Dun and Bradstreet (Credit Reporting) (DUNS)	
N104	67	Identification Code Code identifying a party.	C ID 2/17

SEGMENT: **RMT** Remittance Advice

LEVEL: Detail

LOOP: N1/RMT REPEAT: >1

USAGE: Optional

MAX USE: 1

PURPOSE: To indicate the detail on items.

- COMMENTS: **A** Parties using this segment should agree on the content of RMT01 and RMT02 prior to initiating transaction communication.
- B** RMT03 may also be used to specify the amount paid when different from the amount invoiced.
- C** RMT08 is any amount being deducted from or added to a particular invoice or line item for reasons other than payment discount (e.g., damaged goods, short shipment, tax, penalty or late charge payment).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
RMT01	128	Reference Number Qualifier Code qualifying the Reference Number.	M ID 2/2
		AW Air Waybill Number	
		BM Bill of Lading Number	
		CM Credit Memo	
		DJ Delivery Ticket Number	
		DL Debit Memo	
		DO Delivery Order Number	
		IV Seller's Invoice Number	
		PO Purchase Order Number	
RMT02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	M AN 1/30
RMT03	782	Monetary Amount Monetary amount.	O R 1/15
		Not Used by AVNET	
RMT04	777	Total Invoice Amount Amount of invoice (including charges, less allowances) before terms discount (if discount applicable).	O R 1/15
RMT05	778	Amount Subject to Terms Discount Amount upon which the terms discount amount is calculated.	O R 1/15

RMT06	779	Discounted Amount Due Amount of invoice due if paid by terms discount due date (Total Invoice Amount less Terms Discount Amount).	O R	1/15
RMT07	780	Discount Amount Amount of discount.	O R	1/15
RMT08	782	Monetary Amount Monetary amount.	O R	1/15
RMT09	426	Adjustment Reason Code Code indicating reason for adjustment to invoice or payment.	O ID	2/2
RMT10	352	Description A free-form description to clarify the related data elements and their content.	O AN	1/80

SEGMENT: **CUR** Currency

LEVEL: Detail

LOOP: N1/RMT

USAGE: Optional

MAX USE: 1

PURPOSE: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

- SYNTAX:
- 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.

COMMENTS: **A** Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver).

CUR*BY*CAD* N/L

Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values.

B CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L
 1 2 3 4

1. Identifies the buyer's (BY) currency as U.S. dollars (USD).
2. The multiplier (1.20) is the exchange rate factor for the conversion.
3. Identifies the seller's (SE) currency as Canadian dollars (CAD).
4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400).

The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M ID 2/2
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified.	M ID 3/3

The ASC X12 003010 segment "CUR" contains nineteen additional data elements not used by AVNET.

SEGMENT: **DTM** Date/Time Reference
 LEVEL: Detail
 LOOP: N1/RMT
 USAGE: Optional
 MAX USE: 10
 PURPOSE: To specify pertinent dates and times
 SYNTAX: 1 At least one of DTM02 or DTM03 must be present.

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.	M ID 3/3
003 Invoice			
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).	C TM 4/4
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
GM Greenwich Mean Time			

SEGMENT: **LE** Loop Trailer
 LEVEL: Detail
 LOOP: _____
 USAGE: Mandatory
 MAX USE: 1
 PURPOSE: To indicate that the loop immediately preceding this segment is complete
 SYNTAX: **1** One loop may be nested (contained) within another loop, provided the inner (nested) loop terminates before the outer loop. When specified by the standard setting body as "mandatory", this segment, in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The preferred value for the identifier is the segment ID of the required loop beginning segment.
 COMMENTS: **A** LE is a control segment. LE is always used in conjunction with a corresponding loop header (start) - LS, as illustrated below. The LS and LE indicate the start and end of a loop but are not part of the iteration of the loop.

LOOP NESTING

Loop "A" Header (LS "A")
 Loop "B" Header (LS "B")
 Loop "C" Header (LS "C")
 Loop "C" Trailer (LE "C")
 Loop "D" Header (LS "D")
 Loop "D" Trailer (LE "D")
 Loop "B" Trailer (LE "B")
 Loop "A" Trailer (LE "A")

Neither LS nor LE is used if the data within the loop is not used.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LE01	447	Loop Identifier Code	M ID 1/4
		Code identifying a loop within the transaction set which is bounded by the related LS and LE segments (corresponding LS and LE segments must have the same value for loop identifier). (Note: The loop ID number given on the transaction set diagram is recommended as the value for this data element in segments LS and LE.)	

SEGMENT: **SE** Transaction Set Trailer
 LEVEL: Summary
 LOOP: _____
 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).
 COMMENTS: **A** SE is the last segment of each transaction set.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES		
SE01	96	Number of Included Segments	M	NO	1/6
		Total number of segments included in a transaction set including ST and SE segments.			
SE02	329	Transaction Set Control Number	M	AN	4/9
		Identifying control number assigned by the originator for a transaction set.			

Use system generated transaction number.