

PAM SPR CTX Supplemental Document for CTX EDI 820 - INPUT FILE (supports versions 3040 and 3050)

Updated: 1/11/13

- * The following sample conforms to versions 3040 and 3050 of the EDI X12 format. Of note, PAM will not require CTX payments adhere to a specific version.
- * For a properly formatted file, each Payment's Addenda must include the following segments: ISA, GS, ST, SE, GE, IEA.
- * One BPR per payment is expected
- * 999 ACH Addendum records with 10 Addenda are allowed.

Validation Rules: A payment will be marked invalid for the following reasons:

1. If the SEC code is "CTX" and the ISA, BPR, or SE segments are missing.
2. If the value in position 23-25 of the first ACH Addendum Record does not contain "ISA".
3. If the data element separator equals the segment terminator.
4. For the BPR segment, if BPR-02 is non-numeric.
5. For the SE segment, if SE-01 is non-numeric.
6. The below table lists valid characters that can be used for the data element separator, segment terminator, and subelement separator.
Invalid hex cannot be used for delimiters.

Space	!	"	#	\$	%	&	'	()	*	+	,	-	.	/
0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
P	Q	R	S	T	U	V	W	X	Y	Z	[\]	^	_
`	{		}	~											

The layout below is a sample of the data expected in the Addenda Information field within the ACH Addendum Record of the Standard Payment Request for CTX payments. Of note, PAM will not validate the information received in the Addenda Information field and the actual values may vary based on trading partner agreement.

EDI DATA ELEMENT NAME	DISBURSEMENT DATA	Position Length	EDI TRANSMISSION
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ISA INTERCHANGE CONTROL HEADER (position controlled fixed length)

ISA01	Authorization Information Qualifier	00 (No Authorization Information Present)	2	ISA*00*000000000*00*000000000 *ZZ*US TREASURY 310*ZZ* VENDOR PAYMENTS*100420* 0930*U*00200*000000001*0*P*~
ISA02	Authorization Information	0000000000 (Auth. Info. - Must be 10 Characters)	10	
ISA03	Security Information Qualifier	00 (No Security Information present)	2	
ISA04	Security Information	0000000000 (Security Info. - Must be 10 Characters)	10	
ISA05	Interchange ID Qualifier	ZZ (Mutually Defined)	2	
ISA06	Interchange Sender ID	US TREASURY 310 (15 Characters)	15	
ISA07	Interchange ID Qualifier	ZZ (Mutually Defined)	2	
ISA08	Interchange Receiver ID	VENDOR PAYMENTS (15 Characters)	15	

EDI DATA ELEMENT NAME		DISBURSEMENT DATA	Position Length	EDI TRANSMISSION
ISA09	Interchange Date	100420 - date of transmission (YYMMDD)	6	
ISA10	Interchange Time	0930 - time of transmission (HHMM)	4	
ISA11	Interchange Control Standards Identifier	U - signifies use of ASC X12 Standards)	1	
ISA12	Interchange Control Version Number	00200 (Recommended version for maximum acceptability)	5	
ISA13	Interchange Control Number	000000001 (9 character number assigned by sender)	9	
ISA14	Acknowledgement Requested	0 (No Acknowledgment requested)	1	
ISA15	Test Indicator	P (P=Production; T=Test)	1	
ISA16	Subelement Separator	~ (Tilde)	1	

GS FUNCTIONAL GROUP HEADER

GS01	Functional ID Code	RA - Payment Order/Remittance Advice		GS*RA*US TREASURY 310*
GS02	Application Sender's Code	US TREASURY 310		VENDOR PAYMENTS*100420*
GS03	Application Receiver's Code	VENDOR PAYMENTS		0930*2*X*003040
GS04	Date	100420 (YYMMDD)		
GS05	Time	0930 (HHMM)		
GS06	Group Control Number	2 (number originated and maintained by sender)		
GS07	Responsible Agency Code	X - signifies ASC X12		
GS08	Version/Release ID Code	003040 - Example of a 3040 version		

ST TRANSACTION SET HEADER

ST01	Transaction Set ID Code	820 - signifies Payment Order/Remittance Advice		ST*820*1234
ST02	Transaction Set Control Number	1234 (Control Number ID assigned by sender)		

BPR BEGINNING SEGMENT FOR PAYMENT ORDER REMITTANCE ADVICE

BPR01	Transaction Handling Code	C - indicates Payment and Remittance Advice		BPR*C*1703.16*C*ACH*CTX*01*
BPR02	Monetary Amount	1703.16 (\$1,703.16 Net Disbursement - sum of RMR04 Amounts)		101036151*ZZ*12345678***01*
BPR03	Credit/Debit Flag Code	C - code for Credit		031100209*DA*12341234123*
BPR04	Payment Method Code	ACH - code for Automated Clearing House		**
BPR05	Payment Format	CTX - code for Corporate Trade Exchange		
BPR06	(DFI) ID Number Qualifier	01 - signifies RTN		
BPR07	(DFI) ID Number	101036151 (FMS-KFC's RTN)		
BPR08	Account Number Qualifier Code	ZZ (Mutually Defined)		
BPR09	Account Number	12345678 (ALC of payer Federal Program Agency)		
BPR10	Originating Company Identifier	(Not Used)		
BPR11	Originating Company Code	(Not Used)		
BPR12	(DFI) ID Number Qualifier	01 - signifies RTN		
BPR13	(DFI) ID Number	031100209 (receiving DFI's RTN)		
BPR14	Account Number Qualifier Code	DA - Demand Deposit (DFI Account Type)		
BPR15	Account Number	12341234123 (Vendor's account number at DFI)		
BPR16	Effective Entry Date	(Not Used)		
BPR17	Business Function Code	(Not Used)		

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TRN TRACE (Not Used)

TRN01	Transaction Handling Code	(Not Used)		TRN***
TRN02	Trace Type Code	(Not Used)		

N1 NAME

N101	Entity ID Code	PE - indicates Payee		N1*PE*FEDERAL EXPRESS*
N102	Name	FEDERAL EXPRESS (Payee's Name - the Vendor)		FI*456129876
N103	Identification Code Qualifier	FI - indicates Vendor's Federal Taxpayer's ID Number (TIN)		
N104	Identification Code	456129876 (Vendor TIN number)		

N1 NAME

N101	Entity ID Code	PR - indicates Payer		N1*PR*Payer Agency
N102	Name	Payer Agency		

ENT ENTITY

ENT01	Assigned Number	1 (assigned by Agency to indicate start of remittance data)		ENT*1
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Example: Invoice Payment

RMR REMITTANCE ADVICE ACCOUNTS RECEIVABLE OPEN ITEM REFERENCE (Multiple Occurrences)

RMR01	Reference Number Qualifier	IV - indicates Vendor's Invoice Number		RMR*IV*12345677**500
RMR02	Reference Number	12345677 (Invoice Number)		
RMR03	Payment Action Code	(Not Used for this example)		
RMR04	Monetary Amount	500 (\$500.00)		
RMR05	Total Invoice or Credit/Debit Amount	(Not Used for this example)		
RMR06	Discount Amount Taken	(Not Used for this example)		

Example: Payment with Interest Penalty

RMR REMITTANCE ADVICE ACCOUNTS RECEIVABLE OPEN ITEM REFERENCE (Multiple Occurrences)

RMR01	Reference Number Qualifier	IV - indicates Vendor's Invoice Number		RMR*IV*12345678*AI*703.16*700
RMR02	Reference Number	12345678 (Invoice Number)		
RMR03	Payment Action Code	AI (Amount Paid Inclusive of Discounts & Adjustments)		
RMR04	Monetary Amount	703.16 (\$703.16)		
RMR05	Total Invoice or Credit/Debit Amount	700 (\$700.00)		
RMR06	Discount Amount Taken	(Not Used for this example)		

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REF REFERENCE NUMBERS

REF01	Reference Number Qualifier	RB (Interest Rate qualifier)		REF*RB*8.125%*
REF02	Reference Number	8.125% (use Prompt Payment Annual Interest Rate)		\$3.16 is interest for 20 Days
REF03	Description	\$3.16 is interest for 20 days (information note)		

Example: Discount on Invoice Payment

RMR REMITTANCE ADVISE ACCOUNTS RECEIVABLE OPEN ITEM REFERENCE (Multiple Occurrences)

RMR01	Reference Number Qualifier	IV - indicates Vendor's Invoice Number		RMR*IV*12345679*AI*500*700*200
RMR02	Reference Number	12345679 (Invoice Number)		
RMR03	Payment Action Code	AI (Amount Paid Inclusive of Discounts & Adjustments)		
RMR04	Monetary Amount	500 (\$500.00)		
RMR05	Total Invoice or Credit/Debit Amount	700 (\$700.00)		
RMR06	Discount Amount Taken	200 (\$200.00)		

SE TRANSACTION SET TRAILER

SE01	Number of Included Segments	9 (Number of segments from ST to SE)		SE*9*1234
SE02	Transaction Set Control Number	1234 (matches ST02)		

GE FUNCTIONAL GROUP TRAILER

GE01	Number of Transaction Sets Included	1 (Total number of Transaction Sets included)		GE*1*2
GE02	Group Control Number	2 (matches GS06)		

IEA INTERCHANGE CONTROL TRAILER

IEA01	Number of Functional Groups	1 (Total number of Functional Groups)		IEA*1*000000001
IEA02	Interchange Control Number	000000001 (matches ISA13)	9	

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Note: In the example, the following Delimiters were used. See validation rule #6 for a complete list of valid delimiter hex.

	Delimiter HEX
Data element separator	* (Asterisk)
Segment Terminator	(Broken Vertical Bar)
Subelement Separator	~ (Tilde)

Example: Payment with Interest Penalty

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ISA*00*0000000000*00*0000000000**ZZ*US TREASURY 310*ZZ* VENDOR PAYMENTS*100420*0930*U*00200*000000001*0*P*~|
GS*RA*US TREASURY 310*VENDOR PAYMENTS*100420*0930*2*X*003040|
ST*820*1234|
BPR*C*1703.16*C*ACH*CTX*01*101036151*ZZ*12345678***01*031100209*DA*12341234123***|
N1*PE*FEDERAL EXPRESS*FI*456129876|
N1*PR*Payer Agency|
ENT*1|
RMR*IV*12345677**500|
RMR*IV*12345678*AI*703.16*700|
REF*RB*8.125%*$3.16 is interest for 20 Days|
RMR*IV*12345679*AI*500*700*200|
SE*9*1234|
GE*1*2|
IEA*1*000000001|
```

Example: Addenda in the SPR

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-----1-----2-----3-----4-----5-----6-----7-----8
04|||||||||||||||||||||ISA*00*0000000000*00*0000000000**ZZ*US TREASURY 310*ZZ*VEN
100
+-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
DOR PAYMENTS*100420*0930*U*00200*0000000001*0*P*~|GS*RA*US TREASURY 310*VENDOR PA
200
+-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
YMENTS*100420*0930*2*X*003040|ST*820*1234|BPR*C*1703.16*C*ACH*CTX*01*101036151*Z
300
+-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
2*12345678***01*031100209*DA*12341234123***|N1*PE*FEDERAL EXPRESS*FI*456129876|N
400
+-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
1*PR*Payer Agency|ENT*1|RMR*IV*12345677**500|RMR*IV*12345678*AI*703.16*700|REF*R
+-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
B*8.125%*$3.16 is interest for 20 Days|RMR*IV*12345679*AI*500*700*200|SE*9*1234|
500
+-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
GE*1*2|IEA*1*000000001|
600
+-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
700
+-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
800
+-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8-----9-----0-----1-----2-----3-----4-----5-----6-----7-----8
0
```

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1*PR*Payer Agency|ENT*1|RMR*IV*12345677**500|RMR*IV*12345678*AI*703.16*700|REF*R

-----1-----2-----3-----4-----5-----6-----7-----8

B*8.125%*\$3.16 is interest for 20 Days|RMR*IV*12345679*AI*500*700*200|SE*9*1234|
500

-----9-----0-----1-----2-----3-----4-----5-----6

GE*1*2|IEA*1*000000001|

600

-----7-----8-----9-----0-----1-----2-----3-----4

700

-----5-----6-----7-----8-----9-----0-----1-----2

800

-----3-----4-----5-----6-----7-----8-----9-----0

850

-----1-----2-----3-----4-----5