

CTX Payments through PAM

Submitting CTX Payments through PAM

PAM accepts CTX payments using version 5.0.0 of the Standard Payment Request (click [here](#) for a copy). CTX payments must be sent to PAM with an EDI X12 fully formatted 820 addenda. Most of the previous edits performed by Treasury's legacy application for CTX payments are no longer carried out in PAM. PAM serves as a pass-through for CTX addenda and makes limited validations. For a description of edits PAM performs when sending CTX payments to FedACH, please review the information below.

Of note, the specific values exchanged between trading partners (agency-vendor) is determined by those trading partners.

Differences in Processing; Legacy versus PAM

CTX Payments Submitted through Legacy Application	CTX Payments Submitted through PAM
Legacy application received unwrapped 820 and unformatted addenda (flat file).	PAM will only accept wrapped 820 addenda.
Legacy application accepted 2 EDI X12 versions of the wrapped 820 addenda.	PAM will accept any EDI X12 version of the wrapped 820 addenda.
Legacy application wrapped addenda by adding the ISA-IEA envelope	PAM will not add any additional enveloping.
Legacy application validated every data element and segment of the addenda. It read the entire addenda and performed validations and balancing.	PAM will perform limited validations, but will not perform any balancing.
Legacy application required agencies to use specific data element delimiters.	PAM will not specify which data element delimiters to use.

Alterations made for CTX Payments without Offset Taken:

The Legacy Application validated and balanced the addenda information received from agencies. As necessary, edits were made to the addenda before sending on to FedACH. For CTX payments without offset taken, PAM will not perform any edits. PAM will pass the fully formatted 820 addenda as received from the agency to FedACH.

Alterations made for CTX Payments with One or More Offset Taken:

The legacy application performed numerous edits to the addenda information for CTX payments with one or more offset taken. PAM will perform a few of these edits. Details are outlined in the table below.

CTX Payments Submitted through Legacy Application	CTX Payments Submitted through PAM
ISA Segment <ul style="list-style-type: none">ISA-06: replace existing value with the literal "US Treasury 449"ISA-09: replace existing value with the current system date in the format yymmddISA-10: replace existing value with the current system time in the format hhmm	PAM will not alter information received in the ISA segments

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<p>GS Segment</p> <ul style="list-style-type: none"> • <u>GS-02</u>: replace existing value with the literal “US Treasury 449”. • <u>GS-04</u>: replace existing value with the current system date in the format yymmdd. • <u>GS-05</u>: replace existing value with the current system time in the format hhmm. 	<p>PAM will not alter information received in the GS segments</p>
<p>BPR Segment</p> <ul style="list-style-type: none"> • <u>BPR-02</u>: replace existing value with the Partial Payment Amount • <u>BPR-07</u>: replace existing value with the constant “062736011” • <u>BPR-09</u>: replace existing value with the TCS ALC “20184904”. • <u>BPR-10</u>: replace existing value with the TCS ALC and two spaces “20184904bb” 	<p>BPR Segment</p> <ul style="list-style-type: none"> • <u>BPR-02</u>: PAM will replace the existing value with the Partial Payment Amount
<p>REF Segment</p> <ul style="list-style-type: none"> • REF 72, immediately following the BPR. <ul style="list-style-type: none"> •REF-02 – replace the existing value with the TCS Partial Payment Schedule Number created. CTX payments will have a TCS Schedule number as if they are EFT payments. •Add a REF-03 field. The REF-03 field will contain: A literal "REPLACES", followed by one space followed by the schedule number that was in the REF-02 field. For example, if the REF 72, REF-02 field originally contained "8346ACX1", the new REF-03 field will contain "REPLACES 8346ACX1". 	<p>PAM will not alter information received in the REF segments.</p>
<p>N1 Segment</p> <ul style="list-style-type: none"> • N1 PR - N1 segment, where the N1-01 field contains "PR" (Payer) - In the N1-02 field (Payer Name), replace the existing value with the literal "TCSbbTREASbb449", where the bb equals spaces. Two spaces between each "word" in the literal. 	<p>PAM will not alter the information received in the N1 segments.</p>
<p>RMR Segment</p> <ul style="list-style-type: none"> • Add a new RMR segment immediately following all the N1s and the ENT, before the first RMR in the Pre-Validated CTX Unwrapped file. <ol style="list-style-type: none"> RMR 3H – RMR-01 – constant “3H”. RMR 3H – RMR-02 – TOP Payment Trace Number (same as TCS Offset Trace Number), taken from positions 171 – 199 of the TOP Offset file’s “A” record. RMR 3H – RMR-03 – constant “AJ”. RMR 3H – RMR-04 – offset amount, with the leading minus sign, taken from positions 200 – 211 of the TOP Offset file’s “A” record, deleting leading zeros and inserting the decimal point in the appropriate place. For example, 000000987654 in positions 200 – 211 will be reflected as -9876.54 in RMR-04. 	<p>PAM will add a new negative RMR segment containing the offset amount. It will be added before the SE segment.</p>
<p>REF Segment</p> <ul style="list-style-type: none"> • Add REF 3H (Negative REF), a new segment immediately following the Negative RMR and before the first RMR in the Pre-Validated CTX Unwrapped file. <ul style="list-style-type: none"> • NOTE: The REF 3H will require two physical records. <ol style="list-style-type: none"> REF 3H – REF-01 – constant“3H”. 	<p>PAM will add a new REF segment immediately following the new negative RMR segment</p>

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<p>b) REF 3H – REF-02 – TOP Payment Trace Number (same as TCS Offset Trace Number), taken from positions 171-199 of the TOP Offset file’s “A” record.</p> <p>c) REF 3H – REF-0e – Description – constant “Payment reduced by US Treasury-Questions-call 800-304-3107 or 866-297-0517 TDD”.</p>	
<p>SE Segment</p> <ul style="list-style-type: none"> • <u>SE-01</u>: replace existing value with existing value plus two (to account for the two new segments added (Negative RMR and Negative REF)). 	<p>SE Segment</p> <ul style="list-style-type: none"> • <u>SE-01</u>: PAM will replace existing value with existing value plus two (to account for the two new segments added-negative RMR and associated REF).
<p>GE Segment</p> <ul style="list-style-type: none"> • <u>GE-01</u>: replace existing value by the value calculated by this program – number of transactions sets (ST-SE sets) within this functional group (GS-GE set). 	<p>PAM will not alter the information received in the GE Segment</p>
<p>IEA Segment</p> <ul style="list-style-type: none"> • <u>IEA-01</u>: replace existing value by the value calculated by finding the number of functional groups (GS-GE sets) within this interchange group (ISA-IEA set). 	<p>PAM will not alter the information received in the IEA Segment</p>

CTX payments will be marked invalid if the following occurs:

See v5.0.0 of the PAM Standard Payment Request for additional details

<p>ISA, BPR, or SE segments are missing from the wrapped 820 addenda</p>
<p>If the first ACH Addendum Record in position 23-25 does not contain “ISA”</p>
<p>For the ISA segment, the character in position 26 within the ACH Addendum Record must equal the segment delimiter; the character in position 128 of the record must equal the segment terminator. The segment terminator cannot equal the segment delimiter.</p>
<p>For the BPR segment, if BPR-02 is non-numeric</p>
<p>For the SE segment, if SE-01 is non-numeric</p>