**MCCF EDI TAS US1390**

System Design Document

PRCA\*4.5\*



Department of Veterans Affairs

**March 2017**

Version 1

# Story

# As a user, I need to use the EFT Transaction Audit report without being ‘kicked out’ of VistA. When a user attempts to view the report in a detailed format and selects a trace number, the user is then kicked out of VistA. This does not happen with every search, but is a frequently occurring error.

# RECORDING THAT AN ERROR OCCURRED ---

# Sorry 'bout that

# $STACK=7 $ECODE=

# $ZERROR=

# <Your 'SECURE SHELL' connection has terminated>

# Conversation

1. PJH – 2/23/2017 – error trap detail supplied by Tanya Pickens indicate DEPDATE is undefined.

$ZE= <UNDEFINED>COMPILE+47^RCDPTAR \*DEPDATE

Last Global Ref: ^DD(344,.08,0)

. I DEPDATE,PROCDATE<DEPDATE S PROCDATE=DEPDATE

BATCHIEN=148065

DEPIEN=19522

LOCKIEN=3026

PROCDATE=3121204.0124

RCDATA(344.3,"3026,",.02,"E")=NOV 25, 2016@10:33

RCDATA(344.3,"3026,",.02,"I")=3161125.1033

RCDATA(344.3,"3026,",.06,"E")=569469278

RCDATA(344.3,"3026,",.06,"I")=569469278

RCDATA(344.3,"3026,",.08,"E")=15645.43

RCDATA(344.3,"3026,",.08,"I")=15645.43

TRANS=19

Following lines fails to calculate DEPDATE due to CR receipt from old deposit being used. Old CR receipt does not have as many lines as new CR receipt.

 S TRANS=$$GET1^DIQ(344.31,EFTIEN\_",",.14)  
 I TRANS,$D(^RCY(344,+BATCHIEN,1,TRANS,0)),LOCKIEN,$D(RCDATA(344.3,LOCKIEN\_",")) D  
 . S DEPDATE=$$GET1^DIQ(344.1,DEPIEN\_",",.07,"I")

1. PJH – 2/29/2017 – request confirmation if the deposit is an old duplicate:

“I took a look at the error trap you reported last week. We can see how the report is crashing (and can fix that) but are trying to understand why in case the report is also picking up the wrong data.

The report finds the deposit receipt for the EFT (AR BATCH PAYMENTS #344 entry `148065) and then gets the DATE/TIME PROCESSED for that receipt – PROCDATE=3121204.0124

Normally the date/time opened on the AR deposit would be used on the report if it is earlier than the processed date/time on the receipt. In this case the date/time opened isn’t found and the program crashes. Actually the calculation of  the date/time opened is looking for line 19 of the receipt `148065 and aborts the calculation when the line isn’t there.

What is really odd is the error trap shows this to be a recent EFT but the date/time processed on the receipt the report picks up is 2012.

RCDATA(344.3,"3026,",.02,"E")=NOV 25, 2016@10:33

I suspect that issue is that the report may be picking up an old receipt because of a duplicate or reused deposit, but that is speculation at this point.

Is there any way we can display the receipt for EDI LOCKBOX DEPOSIT #344.3 = 3026 for this site and see what the processing date is on that receipt?”

1. Response/Confirmation from Tanya Pickens – confirms issue is duplicate deposit

Select Deposit: 569469278

1  569469278 by: EDILOCKBOX,AUTO    on: 12/04/12   amt: $  1901.88    CONFIRMED

2  569469278 by: EDILOCKBOX,AUTO    on: 11/26/16   amt: $ 15645.43    CONFIRMED

1. Conclusion – fix required in COMPILE^RCDPTAR code to protect against DEPDATE not being calculated. Additionally, fix to EFTDATA^RCDPTAR code required to select correct AR deposit (#344.1) and CR Receipt (#344) if the AR DEPOSIT number is a duplicate.

**Data fields needed:**

Use direct pointer on #344.3 file to get deposit

EDI LOCKBOX DEPOSIT FILE #344.3 , #.03 AR DEPOSIT RECORD pointer to #344.1

#.06 DEPOSIT NUMBER free text

Note – same data could also be retrieved via the receipt

EDI THIRD PARTY EFT DETAIL FILE #344.31 #.09 RECEIPT pointer to #344

AR BATCH PAYMENT FILE #344 #.06 DEPOSIT TICKET pointer to AR DEPOSIT #344.1

**Resolution – Added Changed Objects**

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | RCDPTAR | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** |  | | | |
| **Related Options** | RCDPE EFT TRANSACTION AUD REP | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | N/A | $$CUTOFF^RCDPEWLP  CHKEFT^RCDPEWLP $$DATE^RCDPRU  $$NOW^RCDPRU  SUM^RCDPTAR1  $$FMSSTAT^RCDPUREC |

| **Current Logic** |
| --- |
| EFTDATA(EFTIEN) ;  ;  I '$G(EFTIEN) Q ""  ;  N ERAIEN,LOCKIEN,DEPOSIT,DEPIEN,BATCHIEN  S (ERAIEN,DEPIEN,BATCHIEN)=""  S ERAIEN=$P($G(^RCY(344.31,EFTIEN,0)),U,10)  S LOCKIEN=$P($G(^RCY(344.31,EFTIEN,0)),U,1)  I LOCKIEN S DEPOSIT=$P($G(^RCY(344.3,LOCKIEN,0)),U,6)  I DEPOSIT]"" S DEPIEN=$O(^RCY(344.1,"B",DEPOSIT,""))  I DEPIEN S BATCHIEN=$O(^RCY(344,"AD",DEPIEN,""))  Q ERAIEN\_U\_LOCKIEN\_U\_EFTIEN\_U\_DEPIEN\_U\_BATCHIEN  ;  COMPILE(RCDATA) ; .  .   ; Get Inital Creation/Deposit information  K RCDATA  I LOCKIEN D  . D GETS^DIQ(344.3,LOCKIEN\_",",".02;.06;.08","IE","RCDATA")  . S FILEDATE=$G(RCDATA(344.3,LOCKIEN\_",",.02,"I"))  . I 'FILEDATE Q  . S ^TMP("RCDPTAR",$J,FILEDATE,1)="DEP#:"\_$G(RCDATA(344.3,LOCKIEN\_",",.06,"E"))\_" DEP AMT:"\_$G(RCDATA(344.3,LOCKIEN\_",",.08,"E"))\_"^EFT STATUS:RECEIVED"  ;  ; Check if posted to revenue code 8NZZ  S TRANS=$$GET1^DIQ(344.31,EFTIEN\_",",.14)  I TRANS,$D(^RCY(344,+BATCHIEN,1,TRANS,0)),LOCKIEN,$D(RCDATA(344.3,LOCKIEN\_",")) D  . S DEPDATE=$$GET1^DIQ(344.1,DEPIEN\_",",.07,"I")  . I 'DEPDATE Q  . S ^TMP("RCDPTAR",$J,DEPDATE,2)="DEP#:"\_$G(RCDATA(344.3,LOCKIEN\_",",.06,"E"))\_" DEP AMT:"\_$G(RCDATA(344.3,LOCKIEN\_",",.08,"E"))\_"^DEP STATUS:POSTED TO 8NZZ"  ;  ; Get Match Status History information ; Get Receipt information (EFT)  I BATCHIEN D  . S PROCDATE=$$GET1^DIQ(344,BATCHIEN\_",",.08,"I")  . I 'PROCDATE Q  . I DEPDATE,PROCDATE<DEPDATE S PROCDATE=DEPDATE  . S FMSDOCNO=$$FMSSTAT^RCDPUREC(BATCHIEN)  . S ^TMP("RCDPTAR",$J,PROCDATE,5)="DEP RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_" ENTRY#:"\_BATCHIEN\_"^FMS DOC#:"\_$P(FMSDOCNO,U,1)\_"^^DOC STATUS:"\_$E($P(FMSDOCNO,U,2),1,18)  ;  ; Get Repeipt information (ERA)  S BATCHIEN=$$GET1^DIQ(344.4,ERAIEN\_",",.08,"I")  I BATCHIEN D  . S PROCDATE=$$GET1^DIQ(344,BATCHIEN\_",",.08,"I")  . I DEPDATE,PROCDATE<DEPDATE S PROCDATE=DEPDATE  . I 'PROCDATE Q  . S FMSDOCNO=$$FMSSTAT^RCDPUREC(BATCHIEN)  . ;S ^TMP("RCDPTAR",$J,PROCDATE,6)="RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_" EFT DETAIL#:"\_EFTIEN\_"^BY "\_$E($$GET1^DIQ(344,BATCHIEN\_",",.02,"E"),1,14)\_" on "\_$$DATE^RCDPRU(PROCDATE,"2DZ")  . S ^TMP("RCDPTAR",$J,PROCDATE,6)="RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_"^BY "\_$E($$GET1^DIQ(344,BATCHIEN\_",",.02,"E"),1,14)\_" on "\_$$DATE^RCDPRU(PROCDATE,"2DZ")  . S ^TMP("RCDPTAR",$J,PROCDATE,7)="FMS DOC#:"\_$P(FMSDOCNO,U,1)\_"^DOC STATUS:"\_$E($P(FMSDOCNO,U,2),1,18)  Q |

| **Modified Logic (Changes are in bold)** |
| --- |
| EFTDATA(EFTIEN) ;  ;  I '$G(EFTIEN) Q ""  ;  **N BATCHIEN,DEPIEN ERAIEN,LOCKIEN**  S (ERAIEN,DEPIEN,BATCHIEN)=""  S ERAIEN=**$$GET1^DIQ(344.31,EFTIEN,.1,”I”)**   S LOCKIEN=**$$GET1^DIQ(344.31,EFTIEN,.01,”I”)**  **I LOCKIEN S DEPIEN=$$GET1^DIQ(344.3,LOCKIEN,.03,”I”)**  I DEPIEN S BATCHIEN=$O(^RCY(344,"AD",DEPIEN,""))  Q ERAIEN\_U\_LOCKIEN\_U\_EFTIEN\_U\_DEPIEN\_U\_BATCHIEN  ;  COMPILE(RCDATA) ; .   ; Get Inital Creation/Deposit information  K RCDATA  I LOCKIEN D  . D GETS^DIQ(344.3,LOCKIEN\_",",".02;.06;.08","IE","RCDATA")  . S FILEDATE=$G(RCDATA(344.3,LOCKIEN\_",",.02,"I"))  . I 'FILEDATE Q  . S ^TMP("RCDPTAR",$J,FILEDATE,1)="DEP#:"\_$G(RCDATA(344.3,LOCKIEN\_",",.06,"E"))\_" DEP AMT:"\_$G(RCDATA(344.3,LOCKIEN\_",",.08,"E"))\_"^EFT STATUS:RECEIVED"  ;  ; Check if posted to revenue code 8NZZ  S TRANS=$$GET1^DIQ(344.31,EFTIEN\_",",.14)  I TRANS,$D(^RCY(344,+BATCHIEN,1,TRANS,0)),LOCKIEN,$D(RCDATA(344.3,LOCKIEN\_",")) D  . S DEPDATE=$$GET1^DIQ(344.1,DEPIEN\_",",.07,"I")  . I 'DEPDATE Q  . S ^TMP("RCDPTAR",$J,DEPDATE,2)="DEP#:"\_$G(RCDATA(344.3,LOCKIEN\_",",.06,"E"))\_" DEP AMT:"\_$G(RCDATA(344.3,LOCKIEN\_",",.08,"E"))\_"^DEP STATUS:POSTED TO 8NZZ"  ;  ; Get Match Status History information ; Get Receipt information (EFT)  I BATCHIEN D  . S PROCDATE=$$GET1^DIQ(344,BATCHIEN\_",",.08,"I")  . I 'PROCDATE Q  . I **$G(DEPDATE),**PROCDATE<DEPDATE S PROCDATE=DEPDATE  . S FMSDOCNO=$$FMSSTAT^RCDPUREC(BATCHIEN)  . S ^TMP("RCDPTAR",$J,PROCDATE,5)="DEP RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_" ENTRY#:"\_BATCHIEN\_"^FMS DOC#:"\_$P(FMSDOCNO,U,1)\_"^^DOC STATUS:"\_$E($P(FMSDOCNO,U,2),1,18)  ;  ; Get Repeipt information (ERA)  S BATCHIEN=$$GET1^DIQ(344.4,ERAIEN\_",",.08,"I")  I BATCHIEN D  . S PROCDATE=$$GET1^DIQ(344,BATCHIEN\_",",.08,"I")  . I **$G(DEPDATE),**PROCDATE<DEPDATE S PROCDATE=DEPDATE  . I 'PROCDATE Q  . S FMSDOCNO=$$FMSSTAT^RCDPUREC(BATCHIEN)  . ;S ^TMP("RCDPTAR",$J,PROCDATE,6)="RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_" EFT DETAIL#:"\_EFTIEN\_"^BY "\_$E($$GET1^DIQ(344,BATCHIEN\_",",.02,"E"),1,14)\_" on "\_$$DATE^RCDPRU(PROCDATE,"2DZ")  . S ^TMP("RCDPTAR",$J,PROCDATE,6)="RCPT#:"\_$$GET1^DIQ(344,BATCHIEN\_",",.01,"E")\_"^BY "\_$E($$GET1^DIQ(344,BATCHIEN\_",",.02,"E"),1,14)\_" on "\_$$DATE^RCDPRU(PROCDATE,"2DZ")  . S ^TMP("RCDPTAR",$J,PROCDATE,7)="FMS DOC#:"\_$P(FMSDOCNO,U,1)\_"^DOC STATUS:"\_$E($P(FMSDOCNO,U,2),1,18)  Q |