**MCCF EDI TAS US1393**

System Design Document

PRCA\*4.5\*1393



Department of Veterans Affairs

**March 2017**

Version 1

# Story

# As a user, I need the ability to edit a receipt in the receipt processing option to edit, remove, or add an EFT to the receipt. If an EFT is selected and attached to the receipt, I want to use the ‘edit receipt’ option and remove an EFT. Once an EFT has been removed, I want the ability to select a new EFT to be associated with the existing receipt.

# If no EFT should be associated with the existing receipt, I need the ability to select the new receipt type (CHECK/MO, EDI Lockbox).

# If no EFT was originally selected when the receipt was created, I want the ability to change the receipt type to EDI and select an EFT.

# In addition, once an EFT is removed from a receipt, it should no longer be matched or associated with the existing receipt. The EFT should be unmatched and ‘available’ to match to the correct ERA and/or receipt.

# This functionality needs to work within the EDI Lockbox options/receipt processing, as well as the Agent Cashier receipt processing option(s).

# Current options to edit EDI receipt:

# Select Action: Quit// er Edit Receipt

# RECEIPT #: TPMATCHEFT//

# TYPE OF PAYMENT: EDI LOCKBOX//

# Conversation:

# Need new security key that allows unmatch EFT from a Receipt

# Impacts CPAC

# This functionality applies to receipts that have not been processed and sent to FMS

# Works with the EFT Transaction Audit Report – US1390

**Summary**

# New Security Key

# The new security key that allows unmatch EFT from a Receipt

**RCDPE UNMATCH EFT**

1. **Analysis of existing code:**

The following common protocol action is used by option RCDPE EDI LOCKBOX WORKLIST/Scratchpad action Receipt Processing , option RCDP RECEIPT PROCESSING and option RCDP LINK PAYMENT TO ACCOUNT action Receipt Processing.

Note that the screen $$CHECK^RCDPPRLU already screens out receipts which have been processed to FMS and also deposit ticket type receipts (CR). This does not need changing.

NAME: RCDP RECEIPT PROFILE EDIT RECEIPT

ITEM TEXT: Edit Receipt TYPE: action

CREATOR: SHURMAN,JILLIAN A PACKAGE: ACCOUNTS RECEIVABLE

DESCRIPTION: This option will allow editing of the receipt data such as deposit ticket.

IDENTIFIER: ER ENTRY ACTION: D EDITREC^RCDPRPL3

SCREEN: I $$CHECKREC^RCDPRPLU(RCRECTDA)

TIMESTAMP: 58155,23166

Entry routine EDITREC^RCDPRPL3 calls EDITREC^RCDPUREC as follows:

Select Action: Quit// ER Edit Receipt

RECEIPT #: E17030600//

TYPE OF PAYMENT: CHECK/MO PAYMENT// EDI LOCKBOX

EDI Lockbox payment type is invalid for this receipt

EDITREC^RCDPUREC is a ^DIE call using DR which is set up in EDIT4^RCDPURE1.

DR="S RCP=20 D SETV^RCDPURE1;.01"

DR(1,344,1)="@20;.04;S RCNO=0,RCN4=X D TYP^RCDPUREC(.Y);.17////^S X=RCNE;S Y=""@

22"";@21;.04////^S X=RCO4;I RCOE="""" S Y=""@23"";.17////^S X=RCOE;@23;W !,\*7,$S

(RCO4=14:$S('RCNO:RCM1,1:RCM2),1:RCM),! S Y=""@20"";@22"

DR(1,344,2)="I $P($G(^RCY(344,DA,0)),U,17) S Y=""@1001"";.06;@1001;D LBT^RCDPURE

C(.Y);.18;@99"

Main edit validation routine is TYP^RCDPUREC which determines if receipt can be edited.

EDITREC^RCDPUREC is also called from Link Payment option. These calls pass DR in as a parameter and the TYP^RCDPUREC logic is not invoked.

RCDPRPL3.INT

PROCESS+122 . D EDITREC^RCDPUREC(RCRECTDA,".06;")

RCDPRPL4.INT

ONLINE+30 . D EDITREC^RCDPUREC(RCRECTDA,"201////0;")

ONLINE+44 D EDITREC^RCDPUREC(RCRECTDA,"201////1;")

1. **Data fields needed:**

AR BATCH PAYMENT #344,.04 TYPE OF PAYMENT (R\*P341.1'X), [0;4]

AR BATCH PAYMENT #344,.06 DEPOSIT TICKET (\*P344.1'), [0;6]

AR BATCH PAYMENT #344,.17 EFT RECORD (\*P344.31'), [0;17]

1. **Changes to current user input**
2. Users without the new key will see no change to functionality.
3. Currently the payment type of a receipt can be modified if there are no lines on the receipt.
4. After receipt lines  are added to the receipt (via NEW PAYMENT action in the RECEIPT PROCSSESSING option) change of TYPE OF PAYMENT is not allowed. If user has the new key – change of payment type to CHECK/MO will now be allowed.

E.g. currently

Select Action: Quit// er   Edit Receipt

RECEIPT #: PJH1234567//

TYPE OF PAYMENT: CHECK/MO PAYMENT// edi LOCKBOX

EDI Lockbox payment type is invalid for this receipt

Becomes (if the user has the new RCDPE UNMATCH EFT key)

Select Action: Quit// ER   Edit Receipt

RECEIPT #: PJH12345678//

TYPE OF PAYMENT: CHECK/MO PAYMENT// EDI LOCKBOX

EFT DETAIL RECORD:    2102     THE MEGA LIFE AND HEALTH INSURANCE     ABC64328

33367     633.30     T833455     02-14-2017

1. Additionally, for users with the new key, if the payment type of the receipt is already EDI LOCKBOX the EFT associated with the receipt may now be changed without changing the payment type.

RECEIPT #: PJH12345678//

TYPE OF PAYMENT: EDI LOCKBOX//

EFT DETAIL RECORD:    2112//2104     THE MEGA LIFE AND HEALTH INSURANCE     ABC64328

33367     633.30     T833455     02-14-2017

1. **XINDEX – existing errors** – appear to be newed in calling routine RCDPURE1

>> RCM3 RCDPUREC

>> RCN4 RCDPUREC

>> RCNE RCDPUREC\*

>> RCNO RCDPUREC\*

>> RCO4 RCDPUREC

>> RCP RCDPUREC

**Resolution – Added Changed Objects**

| Security Keys | Activities | | | |
| --- | --- | --- | --- | --- |
| **Security Key Name** | RCDPE UNMATCH EFT | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **Related Options** | RCDPE UNMATCH EFT | | | |
| **Security Key Description** | **NAME:** RCDPE UNMATCH EFT  **DESCRIPTIVE NAME: Unmatch EFT in Receipt Edit**  **DESCRIPTION: Allows user to change EFT on a receipt in Receipt Edit** | | | |

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | **RCDPUREC** | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** |  | | | |
| **Related Options** | RCDP RECEIPT PROCESSING  RCDPE EDI LOCKBOX WORKLIST | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | RCDPPRL3  RCDPPRL4 | $$STATUS^GECSSGET  $$EDILBEV^RCDPEU  $$LBEVENT^RCDPEU EDIT4^RCDPURE1 |

| **Current Logic** |
| --- |
| ; PRCA\*4.5\*298 - updated logic and comments in EDITREC EDITREC(DA,DR) ; edit the receipt (DR = string of fields to ask) in AR BATCH PAYMENT file (#344)  ; RCBPYMNT - AR BATCH PAYMENT entry before edit  N D,D0,DI,DIC,DIE,DQ,RCBPYMNT,RCDA,RCDR1,RCDR2,RCDR3,X,Y  S (DIC,DIE)="^RCY(344,",RCDA=DA  I $G(DR)="" N DR D  . S DR=".01;.04;"\_$S($P($G(^RCY(344,RCDA,0)),U,17):"",1:"I $P($G(^RCY(344,DA,0)),U,17) S Y=""@1001"";.06;@1001;")\_"D LBT^RCDPUREC(.Y);.18;@99"  ;  I $G(DR)[".04;" D  ; Add a check to DR string for type of payment edit  .D EDIT4^RCDPURE1(RCDA,DR,.RCDR1,.RCDR2,.RCDR3) ; get new DR strings in RCDR1,RCDR2,RCDR3  .S DR=$S($E(RCDR1,$L(RCDR1))'=";":RCDR1,1:$E(RCDR1,1,$L(RCDR1)-1)),DR(1,344,1)=RCDR2,DR(1,344,2)=RCDR3  ;  M RCBPYMNT=^RCY(344,DA) ; save initial values  ;  D ^DIE  ;  ; (#.04) TYPE OF PAYMENT [4P:341.1], (#.06) DEPOSIT TICKET [6P:344.1], (#.17) EFT RECORD [17P:344.31]  ; Delete deposit if EDI Lockbox event and EFT referenced  I $P($G(^RCY(344,RCDA,0)),U,6),$P(^(0),U,17),$$EDILBEV^RCDPEU(+$P(^(0),U,4)) S DIE="^RCY(344,",DR=".06///@" D ^DIE  Q:'$D(^RCY(344,RCDA,0)) ; entry should still exist  ;  ; check if TYPE OF PAYMENT (#.04) changed from CHECK/MO PAYMENT to EDI LOCKBOX, update EFT on RECEIPT  I $P(RCBPYMNT(0),U,4)=4,$P(^RCY(344,RCDA,0),U,4)=14,$G(RCNE) D  .K DA,DR S DA=RCDA,DIE="^RCY(344,",DR=".17////"\_RCNE D ^DIE  ;  ; check if TYPE OF PAYMENT (#.04) changed from EDI LOCKBOX to CHECK/MO PAYMENT, remove EFT from RECEIPT and  ; update EDI THIRD PARTY EFT DETAIL status to UNMATCHED  I $P(RCBPYMNT(0),U,4)=14,$P(^RCY(344,RCDA,0),U,4)=4 D  .K DA,DR S DA=RCDA,DIE="^RCY(344,",DR=".17////@" D ^DIE  .N DIR,RCMSG,X,Y  .S RCMSG=""  ; message displayed to user  .K DA,DR S DIE="^RCY(344.31,",DA=+$P(RCBPYMNT(0),U,17)  .S Y=$G(^RCY(344.31,DA,0))  .S RCMSG=$S(Y]"":"EFT TRANSACTION "\_$P(Y,U)\_" updated to UNMATCHED.",1:"\* EFT RECORD not found! \*")  .I DA>0 S DR=".08////0" D ^DIE  .W !!," "\_RCMSG S DIR(0)="EA",DIR("A")="Press return: " D ^DIR  .  .  . TYP(Y) ; Determine where to jump to in the 'type' edit of  ; Y - passed by ref. from DR string logic  ; DR(1,344,1)="@20;.04;S RCNO=0,RCN4=X D TYP^RCDPUREC(.Y);.17////^S X=RCNE;S Y=""@22"";@21;.04////^S X=RCO4;I RCOE="""" S Y=""@23"";.17////^S X=RCOE;@23;W !,\*7,$S(RCO4=14:$S('RCNO:RCM1,1:RCM2),1:RCM) S Y=""@20"";@22"  ; Assumes RCP,RCNO,RCN4,RCO4,DA defined  N RCCHANGE,DIR  I $S(RCN4=RCO4:1,(RCO4'=4)&(RCN4'=4)&(RCO4'=14)&(RCN4'=14):1,1:0) S Y=RCP+2 G TYPQ  ; To get here, the type was changed and it either was 4 or 14 OR is now 4 or 14  S RCCHANGE=(RCN4'=RCO4)  I RCCHANGE D  G:Y TYPQ  .;If receipt Status is OPEN, EDI LOCKBOX can only be changed to CHECK/MO PAYMENT and vice-versa  .I $P(^RCY(344,DA,0),"^",14),(RCO4=4&(RCN4'=14))!(RCO4=14&(RCN4'=4)) D  S Y=RCP Q  ..S $P(^RCY(344,DA,0),"^",4)=RCO4  ..W !!,"The Payment Type can only be changed to "\_$S(RCO4=4:$$GET1^DIQ(341.1,14,.01),1:$$GET1^DIQ(341.1,4,.01)),$C(7),!  .; Type can't be changed if the old type was EDI Lockbox and there is an ERA detail record associated with it  .I RCO4=14,$P($G(^RCY(344,DA,0)),U,18) S Y=RCP+1 Q  .; Type can't be changed to EDI Lockbox if receipt detail already exists  .I RCN4=14,$O(^RCY(344,DA,1,0)) S Y=RCP+1 Q  .; If payment type was EDI LOCKBOX and is to be changed to CHECK/MO PAYMENT (or vice-versa) confirm with user  .I (RCO4=14&(RCN4=4))!(RCO4=4&(RCN4=14)) D  Q  ..K DIR S DIR(0)="Y",DIR("A")="Are you sure you want to change Payment Type to "\_$$GET1^DIQ(341.1,RCN4,.01),DIR("B")="NO"  ..W ! D ^DIR W !  ..I 'Y S $P(^RCY(344,DA,0),"^",4)=RCO4,Y=RCP Q  ..S:Y Y=RCP+2 S:RCN4=14 Y=0  ;  I RCN4'=14 S Y=RCP+2  ; fall through to TYPQ TYPQ ;  ; If type changed to EDI LOCKBOX, must have an EFT reference  I '$G(Y) D  .; If ERA is matched to EFT, don't allow to edit EFT  .I $P($G(^RCY(344,DA,0)),U,17),$P($G(^(0)),U,18),$D(^RCY(344.31,"AERA",+$P($G(^RCY(344,DA,0)),U,18),+$P($G(^RCY(344,DA,0)),U,17))) S Y=RCP+2 Q  .S RCNE=$$ASK17(DA) I 'RCNE S RCNO=1,Y=RCP+1 Q  ;  I $G(Y) S Y="@"\_Y  Q  .  .  .  ASK17(DA) ; function, Ask, return the EFT detail record IEN for a receipt  ; DA = the ien of the RECEIPT (file 344)  ; returns IEN in EDI THIRD PARTY EFT DETAIL (#344.3) or zero  N DIR,X,Y  S DIR(0)="PAO^RCY(344.31,:AEMQ",DIR("?",1)="Select the EFT that contained the deposited money that this receipt details",DIR("?",2)="An EFT detail record can only be associated with one receipt"  S DIR("?")="This is required if the type of payment is EDI LOCKBOX."  S DIR("A")=" EFT DETAIL RECORD: ",DIR("S")="I $S('$O(^RCY(344,""AEFT"",+Y,0)):1,1:$O(^(0))=DA)"  S:$P($G(^RCY(344,DA,0)),U,17) DIR("B")=$P(^(0),U,17)  D ^DIR K DIR  I $D(DUOUT)!$D(DTOUT)!Y=""!(Y<0) Q 0  Q +Y  ; |

| **Modified Logic (Changes are in bold)** |
| --- |
| ; PRCA\*4.5\*298 - updated logic and comments in EDITREC EDITREC(DA,DR) ; edit the receipt (DR = string of fields to ask) in AR BATCH PAYMENT file (#344)  ; RCBPYMNT - AR BATCH PAYMENT entry before edit  N D,D0,DI,DIC,DIE,DQ,**EFTKEY,**RCBPYMNT,RCDA,RCDR1,RCDR2,RCDR3,X,Y  S (DIC,DIE)="^RCY(344,",RCDA=DA  **S EFTKEY=$$EFTKEY ; Check if user has key to unmatch EFTs**  I $G(DR)="" N DR D  . S DR=".01;.04;"\_$S($P($G(^RCY(344,RCDA,0)),U,17):"",1:"I $P($G(^RCY(344,DA,0)),U,17) S Y=""@1001"";.06;@1001;")\_"D LBT^RCDPUREC(.Y);.18;@99"  ;  I $G(DR)[".04;" D  ; Add a check to DR string for type of payment edit  .D EDIT4^RCDPURE1(RCDA,DR,.RCDR1,.RCDR2,.RCDR3) ; get new DR strings in RCDR1,RCDR2,RCDR3  .S DR=$S($E(RCDR1,$L(RCDR1))'=";":RCDR1,1:$E(RCDR1,1,$L(RCDR1)-1)),DR(1,344,1)=RCDR2,DR(1,344,2)=RCDR3  ;  M RCBPYMNT=^RCY(344,DA) ; save initial values  ;  D ^DIE  ;  ; (#.04) TYPE OF PAYMENT [4P:341.1], (#.06) DEPOSIT TICKET [6P:344.1], (#.17) EFT RECORD [17P:344.31]  ; Delete deposit if EDI Lockbox event and EFT referenced  I $P($G(^RCY(344,RCDA,0)),U,6),$P(^(0),U,17),$$EDILBEV^RCDPEU(+$P(^(0),U,4)) S DIE="^RCY(344,",DR=".06///@" D ^DIE  Q:'$D(^RCY(344,RCDA,0)) ; entry should still exist  ;  ; check if TYPE OF PAYMENT (#.04) changed from CHECK/MO PAYMENT to EDI LOCKBOX, update EFT on RECEIPT  I $P(RCBPYMNT(0),U,4)=4,$P(^RCY(344,RCDA,0),U,4)=14,$G(RCNE) D  .K DA,DR S DA=RCDA,DIE="^RCY(344,",DR=".17////"\_RCNE D ^DIE  ;  ; check if TYPE OF PAYMENT (#.04) changed from EDI LOCKBOX to CHECK/MO PAYMENT, remove EFT from RECEIPT and  ; update EDI THIRD PARTY EFT DETAIL status to UNMATCHED  I $P(RCBPYMNT(0),U,4)=14,$P(^RCY(344,RCDA,0),U,4)=4 D  .K DA,DR S DA=RCDA,DIE="^RCY(344,",DR=".17////@" D ^DIE  .N DIR,RCMSG,X,Y  .S RCMSG=""  ; message displayed to user  .K DA,DR S DIE="^RCY(344.31,",DA=+$P(RCBPYMNT(0),U,17)  .S Y=$G(^RCY(344.31,DA,0))  .S RCMSG=$S(Y]"":"EFT TRANSACTION "\_$P(Y,U)\_" updated to UNMATCHED.",1:"\* EFT RECORD not found! \*")  .I DA>0 S DR=".08////0" D ^DIE  **; If this was an EDI LOCKBOX receipt where the EFT was changed insert new EFT**  **; and update original EDI THIRD PARTY EFT DETAIL status to UNMATCHED  I $P(RCBPYMNT(0),U,4)=14,$P(^RCY(344,RCDA,0),U,4)=14 D**  **.K DA,DR S DA=RCDA,DIE="^RCY(344,",DR=".17////"\_RCNE D ^DIE  .N DIR,RCMSG,X,Y  .S RCMSG=""  ; message displayed to user  .K DA,DR S DIE="^RCY(344.31,",DA=+$P(RCBPYMNT(0),U,17)  .S Y=$G(^RCY(344.31,DA,0))  .S RCMSG=$S(Y]"":"EFT TRANSACTION "\_$P(Y,U)\_" updated to UNMATCHED.",1:"\* EFT RECORD not found! \*")  .I DA>0 S DR=".08////0" D ^DIE**  .W !!," "\_RCMSG S DIR(0)="EA",DIR("A")="Press return: " D ^DIR   ;  ; PRCA\*4.5\*298 - updated logic and comments in TYP TYP(Y) ; Determine where to jump to in the 'type' edit of  ; Y - passed by ref. from DR string logic  ; DR(1,344,1)="@20;.04;S RCNO=0,RCN4=X D TYP^RCDPUREC(.Y);.17////^S X=RCNE;S Y=""@22"";@21;.04////^S X=RCO4;I RCOE="""" S Y=""@23"";.17////^S X=RCOE;@23;W !,\*7,$S(RCO4=14:$S('RCNO:RCM1,1:RCM2),1:RCM) S Y=""@20"";@22"  ; Assumes RCP,RCNO,RCN4,RCO4,DA defined  N RCCHANGE,DIR  I $S(RCN4=RCO4:1,(RCO4'=4)&(RCN4'=4)&(RCO4'=14)&(RCN4'=14):1,1:0) S Y=RCP+2 G TYPQ  ; To get here, the type was changed and it either was 4 or 14 OR is now 4 or 14  S RCCHANGE=(RCN4'=RCO4)  I RCCHANGE D  G:Y TYPQ  .;If receipt Status is OPEN, EDI LOCKBOX can only be changed to CHECK/MO PAYMENT and vice-versa  .I **‘EFTKEY,$**P(^RCY(344,DA,0),"^",14),(RCO4=4&(RCN4'=14))!(RCO4=14&(RCN4'=4)) D  S Y=RCP Q  ..S $P(^RCY(344,DA,0),"^",4)=RCO4  ..W !!,"The Payment Type can only be changed to "\_$S(RCO4=4:$$GET1^DIQ(341.1,14,.01),1:$$GET1^DIQ(341.1,4,.01)),$C(7),!  .; Type can't be changed if the old type was EDI Lockbox and there is an ERA detail record associated with it  .I **‘EFTKEY,**RCO4=14,$P($G(^RCY(344,DA,0)),U,18) S Y=RCP+1 Q  .; Type can't be changed to EDI Lockbox if receipt detail already exists  .I **‘EFTKEY,**RCN4=14,$O(^RCY(344,DA,1,0)) S Y=RCP+1 Q  .; If payment type was EDI LOCKBOX and is to be changed to CHECK/MO PAYMENT (or vice-versa) confirm with user  .I (RCO4=14&(RCN4=4))!(RCO4=4&(RCN4=14)) D  Q  ..K DIR S DIR(0)="Y",DIR("A")="Are you sure you want to change Payment Type to "\_$$GET1^DIQ(341.1,RCN4,.01),DIR("B")="NO"  ..W ! D ^DIR W !  ..I 'Y S $P(^RCY(344,DA,0),"^",4)=RCO4,Y=RCP Q  ..S:Y Y=RCP+2 S:RCN4=14 Y=0  ;  I RCN4'=14 S Y=RCP+2  ; fall through to TYPQ TYPQ ;  ; If type changed to EDI LOCKBOX, must have an EFT reference  I '$G(Y) D  .; If ERA is matched to EFT, don't allow to edit EFT unless user has key  .I **‘EFTKEY,**$P($G(^RCY(344,DA,0)),U,17),$P($G(^(0)),U,18),$D(^RCY(344.31,"AERA",+$P($G(^RCY(344,DA,0)),U,18),+$P($G(^RCY(344,DA,0)),U,17))) S Y=RCP+2 Q  .S RCNE=$$ASK17(DA) I 'RCNE S RCNO=1,Y=RCP+1 Q   ;  I $G(Y) S Y="@"\_Y  Q  .  .  .   ; PRCA\*4.5\*298 - updated comments in ASK17 ASK17(DA) ; function, Ask, return the EFT detail record IEN for a receipt  ; DA = the ien of the RECEIPT (file 344)  ; returns IEN in EDI THIRD PARTY EFT DETAIL (#344.3) or zero  N DIR,X,Y  S DIR(0)="PAO^RCY(344.31,:AEMQ",DIR("?",1)="Select the EFT that contained the deposited money that this receipt details",DIR("?",2)="An EFT detail record can only be associated with one receipt"  S DIR("?")="This is required if the type of payment is EDI LOCKBOX."  S DIR("A")=" EFT DETAIL RECORD: ",DIR("S")="I $S('$O(^RCY(344,""AEFT"",+Y,0)):1,1:$O(^(0))=DA)"  S:$P($G(^RCY(344,DA,0)),U,17) DIR("B")=$P(^(0),U,17)  D ^DIR K DIR  I $D(DUOUT)!$D(DTOUT)!Y=""!(Y<0) Q 0  Q +Y  ;  **EFTKEY() ;Check if user has RCDPE UNMATCH EFT key**  **N MSG**  **D OWNSKEY^XUSRB(.MSG,"RCDPE UNMATCH EFT",DUZ)**  **Q MSG(0)** |