**MCCF EDI TAS US326**

System Design Document

PRCA\*4.5\*xxx



Department of Veterans Affairs

**May 2017**

Version 1a

# Story

# AR needs 2 different parameters for auto-auditing of claims - paper claims vs electronic claims.

# Conversation

Currently (before these US326 changes) AR SITE PARAMETER file #342 only has auto-audit parameters for paper bills. These parameters may be edited through the RCDPE EDI LOCKBOX PARAMETERS menu option:

ENABLE AUTO-AUDIT FOR MEDICAL PAPER BILLS (Y/N): No//   NO

ENABLE AUTO-AUDIT FOR PHARMACY PAPER BILLS (Y/N): No//   NO

BILL/CLAIM file #399 has field 27 - FORCE CLAIM TO PRINT (0 – electronic, 1 – paper)

The PRCA NIGHTLY JOB currently uses this field to determine if a bill is paper or electronic.

Currently the PRCA NIGHTLY JOB ignores those electronic bills when searching for bills to auto-audit.

In this user story prompts will be added to the RCDPE EDI LOCKBOX PARAMETERS menu option (routine AUDIT^RCDPESP5) to maintain new auto-audit parameters for electronic bills:

ENABLE AUTO-AUDIT FOR MEDICAL ELECTRONIC BILLS (Y/N): No//   NO

ENABLE AUTO-AUDIT FOR PHARMACY ELECTRONIC BILLS (Y/N): No//   NO

The PRCA NIGHTLY JOB (routine ABAUDIT^PRCABJ2) will be modified auto-audit electronic bills if the parameters for auto-audit are set to ‘YES’ for electronic bills.

**Addendum**

On investigation it was discovered that the User Manual description of the process for auto-audit differed from the code. The decision was taken during elaboration (5/3/17) to modify the existing process to match the user manual.

Currently paper bills/claims with NEW status are only auto-audited if the rate type of the claim is REIMBURSABLE.

To match the User Manual the auto-audit is changed so that bills/claims with NEW status will be auto-audited if the RATE TYPE (file #399.3) has the BILL RESULTING FROM (field #.11) populated. This field is set in the AR Supervisor’s menu option “Update Rate Types For Auto-audit” [RCDPE RATE TYPE AUTO AUDIT].

The new changes for auto-audit of electronic claims in this user story will also auto-audit by rate type rather than just including bills/claims with the REIMBURSABLE rate type.

**Data fields needed:**

New fields

STANDARD DATA DICTIONARY #342 -- AR SITE PARAMETER FILE 4/12/17 PAGE 1

STORED IN ^RC(342, (1 ENTRY) SITE: DNS.URL UCI: VISTA,ROU

(VERSION 4.5)

DATA NAME GLOBAL DATA

ELEMENT TITLE LOCATION TYPE

-------------------------------------------------------------------------------

342,7.07 AUTO-AUDIT MEDICAL EDI BILLS 7;7 SET

ENABLE AUTO-AUDIT MEDICAL EDI BILLS

'0' FOR No;

'1' FOR Yes;

LAST EDITED: NOV 04, 2015

HELP-PROMPT: Enter 1 to allow Auto-auditing of Medical EDI

bills, 0 to disallow.

DESCRIPTION: A Yes/No prompt to allow a site to audit their

Medical EDI Bills during the AR Nightly

Process.

TECHNICAL DESCR: A Yes/No prompt to see if the site wishes to

audit their Medical EDI bills during the AR

Nightly Process [PRCA NIGHTLY PROCESS].

342,7.08 AUTO-AUDIT RX EDI BILLS 7;8 SET

ENABLE AUTO-AUDIT RX EDI BILLS

'0' FOR No;

'1' FOR Yes;

LAST EDITED: NOV 04, 2015

HELP-PROMPT: Enter 1 to allow Auto-auditing of Pharmacy

EDI bills, 0 to disallow

DESCRIPTION: A Yes/No prompt to see if the site wishes to

audit their Pharmacy EDI Bills during the AR

Nightly Process.

TECHNICAL DESCR: A Yes/No prompt to see if the site wishes to

audit their Pharmacy EDI bills during the AR

Nightly Process [PRCA NIGHTLY PROCESS].

Existing field (unchanged – read only)

399.3,.11 BILL RESULTING FROM 0;11 POINTER TO AR DEBT LIST FILE (#430.6)

INPUT TRANSFORM: S DIC("S")="N Z0 S Z0=$P($G(^DGCR(399.3,DA,0)),

U,6) Q:+Z0'>0 S Z0=$P(^PRCA(430.2,Z0,0),U,6) I

($P(^PRCA(430.6,Y,0),U,4)[Z0)!($P(^(0),U,4)[""

X"")" D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X

LAST EDITED: DEC 17, 2002

HELP-PROMPT: Enter the default that will be used for the

BILL RESULTING FROM field when auto-audit is

invoked

DESCRIPTION: This is the default value for the BILL

RESULTING FROM (#4.5) field in the ACCOUNTS

RECEIVABLE file (#430) that will be used during

auto-audit for all bills with this rate type.

**Resolution – Added Changed Objects**

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | PRCABJ2 | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** |  | | | |
| **Related Options** | PRCA NIGHTLY PROCESS | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | PRCABJ | AUDITX^PRCAUDT $$GETECME^RCDPENR1 |

| **Current Logic** |
| --- |
| ; Auto-audit Paper bills if ready ABAUDIT ;  ; Local Variables  ; APIEN - Accounts Payable (file #430) ien  ;  N APIEN,DIE,DA,DR,DIR,DIRUT,DTOUT,DUOUT,X,Y,APD0,APD202,FLG1,FLG2  N PRCABLNO,PRCAECME,NBLIEN,HICD,CATIEN,ACTIVE,BILLTYP,RCPAPER  ;  S APIEN=""  ;  ;Check parameters to see if it needs to run.  S FLG1=$$GET1^DIQ(342,"1,",7.05,"I") ; Get the value of the auto-audit medical paper bill flag  S FLG2=$$GET1^DIQ(342,"1,",7.06,"I") ; Get the value of the auto-audit pharmacy paper bill flag  ;  ; Quit if both set to no  Q:('FLG1)&('FLG2)  ;  ;retrieve DB values  S NBLIEN=$O(^PRCA(430.3,"B","NEW BILL","")) ; New Bill Status IEN  S CATIEN=$O(^PRCA(430.2,"C","RI","")) ; Reimbursable Insurance IEN  S HICD=$O(^PRCA(430.6,"B","HI","")) ; Health insurance IEN  S ACTIVE=$O(^PRCA(430.3,"B","ACTIVE","")) ; New Bill Status IEN  S BILLTYP=$O(^DGCR(399.3,"B","REIMBURSABLE INS.","")) ; Bill Type IEN  S RCPAPER=1 ; Field 27 in ^DGCR(399 ; 0 - is electronic, 1 - FORCE LOCAL PRINT  ;  Q:NBLIEN=""  ;  F  S APIEN=$O(^PRCA(430,"AC",NBLIEN,APIEN)) Q:'APIEN  D  . S APD0=$G(^PRCA(430,APIEN,0)) ; Patient info  . S APD202=$G(^PRCA(430,APIEN,202)) ;Insured info  . Q:$$GET1^DIQ(399,APIEN\_",",.07,"I")'=BILLTYP  ; Bill type is not Reimbursable Insurance. Skip  . Q:$$GET1^DIQ(399,APIEN\_",",27,"I")'=RCPAPER  ; Bill is not forced to Paper (it is electronic). Skip  . ;  . Q:$P(APD0,U,7)=""       ; Quit if no PATIENT IEN  . Q:$P(APD0,U,9)=""       ; Quit if no DEBTOR information  . Q:$P(APD202,U,1)=""     ; quit if no subscriber name stored  . Q:$P(APD202,U,5)=""     ; quit if no group name stored  . Q:$P(APD202,U,6)=""     ; quit if no group number stored  . ;  . ;Get the Bill number to check if it is a Pharmacy bill  . S PRCABLNO=$P(APD0,U)  . S PRCAECME=$$GETECME^RCDPENR1(PRCABLNO)  . I PRCAECME=""&'FLG1 Q     ;Skip this bill if No Medical processing  . I PRCAECME'=""&'FLG2 Q    ;Skip this bill if No Pharmacy  . ;  . ; Bill Passed all checks now call auto-audit for this Bill number  . D AUDITX^PRCAUDT(APIEN)  Q |

| **Modified Logic (Changes are in bold)** |
| --- |
| ; Auto-audit Paper **and Electronic (EDI)** bills if ready ABAUDIT ;  ; Local Variables  ; APIEN - Accounts Payable (file #430) ien  ;  N APIEN,DIE,DA,DR,DIR,DIRUT,DTOUT,DUOUT,X,Y,APD0,APD202,FLG1,FLG2,**FLG1E,FLG2E**,NBLIEN  N PRCABLNO,PRCAECME~~,HICD,CATIEN,ACTIVE,BILLTYP~~**,RATEIEN**,RCPAPER,  ;  S APIEN=""  ;  ;Check parameters to see if it needs to run.  S FLG1=$$GET1^DIQ(342,"1,",7.05,"I") ; Get the value of the auto-audit medical paper bill flag  S FLG2=$$GET1^DIQ(342,"1,",7.06,"I") ; Get the value of the auto-audit pharmacy paper bill flag **S FLG1E=$$GET1^DIQ(342,"1,",7.07,"I") ; Get the value of the auto-audit medical EDI bill flag  S FLG2E=$$GET1^DIQ(342,"1,",7.08,"I") ; Get the value of the auto-audit pharmacy EDI bill flag**   ;  ; Quit if **all auto-audit parameters** set to no  Q:('FLG1)&('FLG2)**&(‘FLG1E)&(‘FLG2E)**  ;  ;retrieve DB values  S NBLIEN=$O(^PRCA(430.3,"B","NEW BILL","")) ; New Bill Status IEN ~~S CATIEN=$O(^PRCA(430.2,"C","RI","")) ; Reimbursable Insurance IEN  S HICD=$O(^PRCA(430.6,"B","HI","")) ; Health insurance IEN  S ACTIVE=$O(^PRCA(430.3,"B","ACTIVE","")) ; New Bill Status IEN  S BILLTYP=$O(^DGCR(399.3,"B","REIMBURSABLE INS.","")) ; Bill Type IEN~~ ~~S RCPAPER=1 ; Field 27 in ^DGCR(399 ; 0 - is electronic, 1 - FORCE LOCAL PRINT~~   ;  Q:NBLIEN=""  ;  F  S APIEN=$O(^PRCA(430,"AC",NBLIEN,APIEN)) Q:'APIEN  D  . S APD0=$G(^PRCA(430,APIEN,0)) ; Patient info  . S APD202=$G(^PRCA(430,APIEN,202)) ;Insured info **. S RATEIEN=$$GET1^DIQ(399,APIEN\_",",.07,"I") ; Get bill’s rate type ; IA 4118**  **. Q:’RATEIEN**  **. ; A rate type is auto-audited if BILL RESULTING FROM field is non-null**  **. Q:’$$GET1^DIQ(399.3,RATEIEN\_",",.11,"I") ; Quit if not an auto-audit rate type**  **. ;Read on IB file #399 field #27 covered by ICR #3820**  **. S RCPAPER=$$GET1^DIQ(399,APIEN\_",",27,"I") ; 0 - is electronic, 1 – is paper**  . ;  . Q:$P(APD0,U,7)=""       ; Quit if no PATIENT IEN  . Q:$P(APD0,U,9)=""       ; Quit if no DEBTOR information  . Q:$P(APD202,U,1)=""     ; quit if no subscriber name stored  . Q:$P(APD202,U,5)=""     ; quit if no group name stored  . Q:$P(APD202,U,6)=""     ; quit if no group number stored  . ;  . ;Get the Bill number to check if it is a Pharmacy bill  . S PRCABLNO=$P(APD0,U)  . S PRCAECME=$$GETECME^RCDPENR1(PRCABLNO)  . I PRCAECME="",'FLG1**,RCPAPER** Q     ;Skip this **paper** bill if No Medical processing  . I PRCAECME'="",'FLG2**,RCPAPER** Q    ;Skip this **paper** bill if No Pharmacy **. I PRCAECME="",'FLG1E,’RCPAPER Q     ;Skip this EDI bill if No Medical processing  . I PRCAECME'="",'FLG2E,’RCPAPER Q    ;Skip this EDI bill if No Pharmacy . ;**  . ; Bill Passed all checks now call auto-audit for this Bill number  . D AUDITX^PRCAUDT(APIEN)  Q |

| Routines | Activities | | | |
| --- | --- | --- | --- | --- |
| **Routine Name** | RCDPESP5 | | | |
| **Enhancement Category** | New | Modify | Delete | No Change |
| **RTM** |  | | | |
| **Related Options** | RCDPE EDI LOCKBOX PARAMETERS | | | |

| Related Routines | Routines “Called By” | Routines “Called” |
| --- | --- | --- |
|  | RCDPESP | $$VAL^RCDPCRR  GETCODES^RCDPCRR  AUDIT^RCDPESP  $$ACT^RCDPRU |

| **Current Logic** |
| --- |
| AUDIT() ;  ;  N MEDANS,RXANS,OLDMED,OLDRX  ;  ; Get existing answers for Medical and Pharmacy paper bills  S OLDMED=$$GET1^DIQ(342,"1,",7.05,"I")  S OLDRX=$$GET1^DIQ(342,"1,",7.06,"I")  ;  S MEDANS=$$GETAUDIT(1)  Q:MEDANS=-1 1  ; File Medical paper bills  I MEDANS'=OLDMED D  . N RCAUDVAL  . D FILEANS(7.05,MEDANS)  . ; FILE NUMBER^FIELD NUMBER^IEN^NEW VALUE^OLD VALUE^COMMENT  . S RCAUDVAL(1)="342^7.05^1^"\_MEDANS\_U\_OLDMED\_U\_"Updating the Medical Auto-Audit of paper bills"  . D AUDIT^RCDPESP(.RCAUDVAL)  ;  ; Get Pharmacy paper bills  S RXANS=$$GETAUDIT(2)  Q:RXANS=-1 1  ;  ; File Pharmacy paper bills  I RXANS'=OLDRX D  . N RCAUDVAL  . D FILEANS(7.06,RXANS)  . S RCAUDVAL(1)="342^7.06^1^"\_RXANS\_U\_OLDRX\_U\_"Updating the Pharmacy Auto-Audit of paper bills"  . D AUDIT^RCDPESP(.RCAUDVAL)  ;  Q 0  ;  ;Retrieve the parameter for the bill type GETAUDIT(FLAG) ;  ;FLAG - What audit type (1=Med, 2=RX)  N X,Y,DTOUT,DUOUT,DIR,DIROUT,DIRUT,RCANS  ;  ; Prompt for Medical Auto-audit  D:$G(FLAG)=1  . S DIR("A")="ENABLE AUTO-AUDIT FOR MEDICAL PAPER BILLS (Y/N): "  . S DIR("?",1)="Allow a site to automatically audit their Medical Paper Bills"  . S DIR("?",2)="during the AR Nightly Process."  . S DIR("?",3)=" "  . S RCANS=$$GET1^DIQ(342,"1,",7.05)  ;  ; Prompt for Pharmacy Auto-audit  D:$G(FLAG)=2  . S DIR("A")="ENABLE AUTO-AUDIT FOR PHARMACY PAPER BILLS (Y/N): "  . S DIR("?",1)="Allow a site to automatically audit their Pharmacy Paper Bills"  . S DIR("?",2)="during the AR Nightly Process."  . S DIR("?",3)=" "  . S RCANS=$$GET1^DIQ(342,"1,",7.06)  ;  S DIR(0)="YAO"  S DIR("?")="Enter Yes or No to select automatic processing of paper bills."  S DIR("B")=$S($G(RCANS)'="":RCANS,1:"No")  D ^DIR K DIR  I Y="" Q ""  I $D(DTOUT)!$D(DUOUT)!(Y="") Q -1  Q Y  ;  ;File the answer FILEANS(FIELD,ANS) ;  ;  N DR,DIE,DA,DTOUT,DIDEL,X,Y  ;  ;Update Transaction  S DR=FIELD\_"///"\_ANS           ;Original Confirmation #  S DIE="^RC(342,"  S DA=1  D ^DIE  ;  Q |

| **Modified Logic (Changes are in bold)** |
| --- |
| AUDIT() ;  ;  **N EMEDANS,EOLDMED,EOLDRX,ERXANS,MEDANS,OLDMED,OLDRX,RXANS**  ;  ; Get existing answers for Medical and Pharmacy paper bills  S OLDMED=$$GET1^DIQ(342,"1,",7.05,"I")  S OLDRX=$$GET1^DIQ(342,"1,",7.06,"I")  **; Get existing answers for Medical and Pharmacy EDI (electronic) bills  S EOLDMED=$$GET1^DIQ(342,"1,",7.07,"I")  S EOLDRX=$$GET1^DIQ(342,"1,",7.08,"I")**  ;  **; Get Medical paper bills**  S MEDANS=$$GETAUDIT(1)  Q:MEDANS=-1 1  ; File Medical paper bills  I MEDANS'=OLDMED D  . N RCAUDVAL  . D FILEANS(7.05,MEDANS)  . ; FILE NUMBER^FIELD NUMBER^IEN^NEW VALUE^OLD VALUE^COMMENT  . S RCAUDVAL(1)="342^7.05^1^"\_MEDANS\_U\_OLDMED\_U\_"Updating the Medical Auto-Audit of paper bills"  . D AUDIT^RCDPESP(.RCAUDVAL)  ;  ; Get Pharmacy paper bills  S RXANS=$$GETAUDIT(2)  Q:RXANS=-1 1  ;  ; File Pharmacy paper bills  I RXANS'=OLDRX D  . N RCAUDVAL  . D FILEANS(7.06,RXANS)  . S RCAUDVAL(1)="342^7.06^1^"\_RXANS\_U\_OLDRX\_U\_"Updating the Pharmacy Auto-Audit of paper bills"  . D AUDIT^RCDPESP(.RCAUDVAL)  **;**  **; Get Medical electronic bills**  **S EMEDANS=$$GETAUDIT(3)  Q:EMEDANS=-1 1  ; File Medical electronic bills  I EMEDANS'=EOLDMED D  . N RCAUDVAL  . D FILEANS(7.07,EMEDANS)  . ; FILE NUMBER^FIELD NUMBER^IEN^NEW VALUE^OLD VALUE^COMMENT  . S RCAUDVAL(1)="342^7.07^1^"\_EMEDANS\_U\_EOLDMED\_U\_"Updating the Medical Auto-Audit of electronic bills"  . D AUDIT^RCDPESP(.RCAUDVAL)  ;  ; Get Pharmacy electronic bills  S RXANS=$$GETAUDIT(4)  Q:RXANS=-1 1  ;  ; File Pharmacy paper bills  I ERXANS'=EOLDRX D  . N RCAUDVAL  . D FILEANS(7.08,ERXANS)  . S RCAUDVAL(1)="342^7.08^1^"\_RXANS\_U\_OLDRX\_U\_"Updating the Pharmacy Auto-Audit of electronic bills"  . D AUDIT^RCDPESP(.RCAUDVAL)**  ;  Q 0  ;  ;Retrieve the parameter for the bill type GETAUDIT(FLAG) ;  ;FLAG - What audit type **(1=Med Paper, 2=RX Paper, 3=Med EDI, 4=Rx EDI)**  **Q:’$G(FLAG) -1**  N DIR,DIROUT,DIRUT,DTOUT,DUOUT,**FLDNO**,RCANS,**TYPL,TYPU**,X,Y  **S TYPL=$S(”Electronic”,1:”Paper”)  S TYPU=$S(”ELECTRONIC”,1:”PAPER”)**  **S FLDNO=$S(FLAG=1:7.05,FLAG=2:7.06,FLAG=3:7.07,FLAG=4:7.08,1:0)**  **Q:’FLDNO -1**  ;  ; Prompt for Medical Auto-audit  D:$G(FLAG)**#2=1**  . S DIR("A")="ENABLE AUTO-AUDIT FOR MEDICAL **“\_TYPU\_”** BILLS (Y/N): "  . S DIR("?",1)="Allow a site to automatically audit their Medical **“\_TYPL\_”** Bills"  . S DIR("?",2)="during the AR Nightly Process."  . S DIR("?",3)=" "  . S RCANS=$$GET1^DIQ(342,"1,",**FLDNO**)  ;  ; Prompt for Pharmacy Auto-audit  D:$G(FLAG)**#2=0**  . S DIR("A")="ENABLE AUTO-AUDIT FOR PHARMACY **“\_TYPU\_”** BILLS (Y/N): "  . S DIR("?",1)="Allow a site to automatically audit their Pharmacy **“\_TYPL\_”** Bills"  . S DIR("?",2)="during the AR Nightly Process."  . S DIR("?",3)=" "  . S RCANS=$$GET1^DIQ(342,"1,",**FLDNO**)  ;  S DIR(0)="YAO"  S DIR("?")="Enter Yes or No to select automatic processing of “\_TYPL\_” bills."  S DIR("B")=$S($G(RCANS)'="":RCANS,1:"No")  D ^DIR K DIR  I Y="" Q ""  I $D(DTOUT)!$D(DUOUT)!(Y="") Q -1  Q Y  ;  ;File the answer FILEANS(FIELD,ANS) ;  ;  N DR,DIE,DA,DTOUT,DIDEL,X,Y  ;  ;Update Transaction  S DR=FIELD\_"///"\_ANS           ;Original Confirmation #  S DIE="^RC(342,"  S DA=1  D ^DIE  ;  Q |