**MCCF EDI TAS US597**

System Design Document



Department of Veterans Affairs

**July 2017**

Version 1.0

**User Story Number:** USRX-27

**User Story Name:** Resubmit claims outside of the ECME User Screen

**Product Backlog ID:** 191

**Backlog Priority:** 25

**Initial Sizing Estimate:**

**Rational ID:** 828290

**Rally ID:** US597

# Design – Summary

US597 will enhance the existing ECME option: ROC Re Open CLOSED Claim. The enhancements will include the following:

* Rename the menu text of the option to be: **ROC Re Open CLOSED/Resubmit Claim.** This will require a pre-install routine and an Integration Control Registration Number.
* Update the initial filter questions to prompt for Patient Name or Prescription Number. Currently the option only allows searches by Patient Name.
  + If Patient Name is used in the initial search, the user will be prompted for a date range. This is not a change from existing functionality.
  + If Prescription Number is used, the user will NOT be prompted for a date range.
* Update the search logic to display OPEN or CLOSED Billable Claims. Currently the option only displays CLOSED Claims. The updated option will need to display OPEN and CLOSED Claims to allow the user to Resubmit claims. Non-Billable Claims will not be displayed.
* Update the screen display to match the screen display used by ECME User Screen.
* Update the structure of the ^TMP file created by ListMan. The updated structure will mimic that of the structure used by ECME User Screen. This will allow the use of existing ECME User Screen actions to be used by the **ROC Re Open CLOSED/Resubmit Claim** option.
* Remove current protocol action BPS PRTCL REOPEN. This will be replaced by another existing protocol action, BPS PRTCL USRSCR REOPEN CLOSED CLAIMS. This action is currently used by ECME User Screen and allows for multiple claims to be selected.
* Add action BPS PRTCL USRSCR RESUBMIT (RES Resubmit Claim). This action is currently used by ECME User Screen.

List of Components:

* Routine: BPSREOP
* Routine: BPSREOP1
* Routine: BPSSCRRS
* Routine: BPS24PRE
* List Template: BPS LSTMN ECME REOPEN
* Protocol: BPS PRTCL REOPEN MENU (menu)
* Protocol: BPS PRTCL USRSCR REOPEN CLOSED CLAIMS (action)
* Protocol: BPS PRTCL USRSCR RESUBMIT (action)
* Protocol: BPS PRTCL REOPEN EXIT (action)

# Design – Detail

| Routine Name | **^BPSREOP** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Story | US597 | | | | | | | |
| Related Menu Options or ListMan Actions | ROC Reopen CLOSED Claim | | | | | | | |
| Subroutine | **EN1** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| ROC Option | | | $$PTRX^BPSREOP  $$PTINFO^BPSREOP  $$ASKDATE^BPSSCRU6 | | | | |
|  |  | | | | | | | |
| Subroutine | **INIT** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| ROC Option | | | COLLPT^BPSREOP1  COLLRX^BPSREOP1  BUILD^BPSREOP1  $$FORMDATE^BPSSCRU6 | | | | |
|  |  | | | | | | | |
| Subroutine | **WHATTODO** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
|  |  | | | | | | | |
| Subroutine | **PTRX** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EN1^BPSREOP | | | ^DIR | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSINPUT  Definition: User Input – Patient Name or RX Numbers  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **PTINFO** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EN1^BPSREOP | | | ^DIC | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSINPUT  Definition: User Input Patient Name  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSPTID  Definition: Patient IEN  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **RXINFO** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EN1^BPSREOP | | | DIC^PSODI | | | | |
| Related Integration Control Registrations (ICRs) | IA# 4858 | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: X  Definition: User input RX Number  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSIEN  Definition: Claim IEN  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| BPSREOP ;BHAM ISC/SS - REOPEN CLOSED CLAIMS ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3\*\*;JUN 2004;Build 20  ;; Per VHA Directive 10-93-142, this routine should not be modified.  ;Reopen closed claims  ;Q  EN1 ;  N BPDFN,BPSTRT,BPEND  W @IOF  I $$WHATTODO(.BPDFN,.BPSTRT,.BPEND)<0 Q  ;  EN ; -- main entry point for BPS LSTMN ECME REOPEN  N VALMAR,VALMBCK,VALMCNT,VALMHDR,X  D EN^VALM("BPS LSTMN ECME REOPEN")  Q  ;  HDR ; -- header code  ;S VALMHDR(1)="This is a test header for BPS LSTMN ECME REOPEN."  ;S VALMHDR(2)="This is the second line"  Q  ;  INIT ; -- init variables and list array  N BPTMPGL,Y  ;ask what patient and what is date range  I ('$D(BPDFN))!('$D(BPSTRT))!('$D(BPEND)) W !,"BPDFN,BPSTRT,BPEND need to be defined! " Q  D COLLECT^BPSREOP1(BPDFN,BPSTRT,BPEND)  S VALMHDR(1)="PATIENT: "\_$$PATINF^BPSREOP1(BPDFN)\_" Closed claims from "\_$$FORMDATE^BPSSCRU6(BPSTRT,3)\_" to "\_$$FORMDATE^BPSSCRU6(BPEND,3)  Q  ;  HELP ; -- help code  S X="?" D DISP^XQORM1 W !!  Q  ;  EXIT ; -- exit code  Q  ;  EXPND ; -- expand code  Q  ;  ;prompts the user to select patient , start and end dates  ;input/output (by reference):  ;BPDFN - patient ien #2  ;BPSTRT - start date (fileman format)  ;BPEND - end date (fileman format)  ;Return value:  ;-1 quit  ; 1 - continue (okay)\_  ;  WHATTODO(BPDFN,BPSTRT,BPEND) ;  S BPDFN=$$PROMPT^BPSSCRCV("P^DPT(","Select PATIENT NAME","")  I BPDFN<0 Q -1  S BPSTRT=$$ASKDATE^BPSSCRU6("START WITH DATE:","TODAY")  I BPSTRT<0 Q -1  F S BPEND=$$ASKDATE^BPSSCRU6("GO TO DATE:","TODAY") Q:(BPEND<0)!(BPEND'<BPSTRT) D  . W !,"The GO TO date cannot precede the START date."  I BPEND<0 Q -1  Q 1  ; | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSREOP ;BHAM ISC/SS - REOPEN CLOSED CLAIMS ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3,23\*\*;JUN 2004;Build 20  ~~;; Per VHA Directive 10-93-142, this routine should not be modified.~~  ;;Per VA Directive 6402, this routine should not be modified.  ; Reference to DIC^PSODI supported by IA 4858  ;  ;Reopen closed claims  ;Q  EN1 ;  ~~N BPDFN,BPSTRT,BPEND~~  ~~N BPSINPUT~~  ~~W @IOF~~  ~~I $$WHATTODO(.BPDFN,.BPSTRT,.BPEND)<0 Q~~  N BPSDT1,BPSDT2,BPSIEN,BPSINPUT,BPSPTRX,RXERR  EN1A ;  S BPSPTRX=""  S RXERR=""  ; Prompt Patient Name or Rx  I $$PTRX(.BPSINPUT)<0 Q  ; Check if user input is Patient related  I $$PTINFO(BPSINPUT,.BPSPTID)>0 D  . S BPSPTRX=1 ; PATIENT  . S BPSDT1=$$ASKDATE^BPSSCRU6("START WITH DATE:","TODAY")  . I BPSDT1<0 Q  . F S BPSDT2=$$ASKDATE^BPSSCRU6("GO TO DATE:","TODAY") Q:(BPSDT2<0)!(BPSDT2'<BPSDT1) D  . . W !,"The GO TO date cannot precede the START date."  ; Check if user input is Rx related  E D  . I $E(BPSINPUT)'?1N S RXERR=11 Q  . S BPSPTRX=2 ; RX  . K BPSRXAR  . F I=1:1:$L(BPSINPUT,",") D Q:RXERR=1  . . S X=$P(BPSINPUT,",",I)  . . I $$RXINFO(X,.BPSIEN)=0 S RXERR=1 Q  . . S BPSRXAR(+BPSIEN)=""  I RXERR=11 W " ??" G EN1A  I RXERR=1 G EN1A  I ($G(BPSDT1)<0)!($G(BPSDT2)<0 Q  ;  EN ; -- main entry point for BPS LSTMN ECME REOPEN  N VALMAR,VALMBCK,VALMCNT,VALMHDR,X  D EN^VALM("BPS LSTMN ECME REOPEN")  Q  ;  HDR ; -- header code  ;S VALMHDR(1)="This is a test header for BPS LSTMN ECME REOPEN."  ;S VALMHDR(2)="This is the second line"  Q  ;  INIT ; -- init variables and list array  N BPTMPGL,Y  ;ask what patient and what is date range  ~~I ('$D(BPDFN))!('$D(BPSTRT))!('$D(BPEND)) W !,"BPDFN,BPSTRT,BPEND need to be defined! " Q~~  ~~D COLLECT^BPSREOP1(BPDFN,BPSTRT,BPEND)~~  ; Based on user input, call specific routine to build BPSAR array.  ; BPSAR array will contain eligible claims sorted by patient.  I BPSPTRX=1 D COLLPT^BPSREOP1(BPSPTID,BPSDT1,BPSDT2,.BPSAR)  I BPSPTRX=2 D COLLRX^BPSREOP1(.BPSRXAR,.BPSAR)  ; Pass BPSAR array to BUILD routine to create the actual ListMan entries.  D BUILD^BPSREOP1(BPSPTRX,.BPSAR)  ~~S VALMHDR(1)="PATIENT: "\_$$PATINF^BPSREOP1(BPDFN)\_" Closed claims from "\_$$FORMDATE^BPSSCRU6(BPSTRT,3)\_" to "\_$$FORMDATE^BPSSCRU6(BPEND,3)~~  I BPSPTRX=1 D  . S VALMHDR(1)="Activity Date Range: "\_$$FORMDATE^BPSSCRU6(BPSDT1,3)\_" to "\_$$FORMDATE^BPSSCRU6(BPSDT2,3)  E S VALMHDR(1)=""  Q  ;  HELP ; -- help code  S X="?" D DISP^XQORM1 W !!  Q  ;  EXIT ; -- exit code  Q  ;  EXPND ; -- expand code  Q  ~~;~~  ~~;prompts the user to select patient , start and end dates~~  ~~;input/output (by reference):~~  ~~;BPDFN - patient ien #2~~  ~~;BPSTRT - start date (fileman format)~~  ~~;BPEND - end date (fileman format)~~  ~~;Return value:~~  ~~;-1 quit~~  ~~; 1 - continue (okay)\_~~  ~~;~~  ~~WHATTODO(BPDFN,BPSTRT,BPEND) ;~~  ~~S BPDFN=$$PROMPT^BPSSCRCV("P^DPT(","Select PATIENT NAME","")~~  ~~I BPDFN<0 Q -1~~  ~~S BPSTRT=$$ASKDATE^BPSSCRU6("START WITH DATE:","TODAY")~~  ~~I BPSTRT<0 Q -1~~  ~~F S BPEND=$$ASKDATE^BPSSCRU6("GO TO DATE:","TODAY") Q:(BPEND<0)!(BPEND'<BPSTRT) D~~  ~~. W !,"The GO TO date cannot precede the START date."~~  ~~I BPEND<0 Q -1~~  ~~Q 1~~  ;  ; BPSINPUT - User Input - Patient Info or RX Info  ; Return Value 0 or -1=Invalid User Input, 1=Valid User Input  PTRX(BPSINPUT) ;  N DIR,DIRUT,Y  S DIR(0)="FO^3:60"  S DIR("A")="Select PATIENT NAME or PRESCRIPTION"  S DIR("?",1)="Answer with PATIENT NAME, or SOCIAL SECURITY NUMBER, or last 4 digits"  S DIR("?",2)=" of SOCIAL SECURITY NUMBER, or first initial of last name with last"  S DIR("?",3)=" 4 digits of SOCIAL SECURITY NUMBER."  S DIR("?",4)="Or enter a prescription number or multiple prescription numbers:"  S DIR("?")=" 123456,234567,345678"  W !  D ^DIR K DIR  I $D(DIRUT) Q -1  S BPSINPUT=Y  Q 1  ;  ; BPSINPUT - User input  ; BPSPTID - Patient IEN (output)  ; Return Value 0=Invalid Patient Info, 1=Valid Patient Info  PTINFO(BPSINPUT,BPSPTID) ;  N DIC,X,Y  S DIC="^DPT("  S DIC(0)="EMN"  S X=BPSINPUT  D ^DIC  I Y=-1 Q -1  S BPSPTID=+Y  Q 1  ;  ; X - User input RX #  ; BPSIEN - Claim IEN (output)  ; Return Value 0=Invalid RX Info, 1=Valid RX Info  RXINFO(X,BPSIEN) ;  N DIC,X,Y  S DIC=52  S DIC(0)="I"  D DIC^PSODI(52,.DIC,X) ; IA 4858  S BPSIEN=+Y  I BPSIEN'>0 D Q 0  . W !,"Prescription number "\_X\_" is not valid"  Q 1 | | | | | | | | |

| Routine Name | **^BPSREOP1** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Story | US597 | | | | | | | |
| Related Menu Options or ListMan Actions | ROC Reopen CLOSED Claim | | | | | | | |
| Subroutine | **COLLECT** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
|  |  | | | | | | | |
| Subroutine | **COLLPT** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| INIT^BPSREOP  REDRAW^BPSREOP1 | | | $$GET1^DIQ  $$RXDEL^BPSREOP1  STATS^BPSREOP1 | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSPTID  Definition: Patient IEN  New  Modify  Delete  No Change  Name: BPSDT1  Definition: From Date  New  Modify  Delete  No Change  Name: BPSDT2  Definition: Thru Date  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSAR  Definition: Array of eligible claims, sorted by Patient  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **COLLRX** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| INIT^BPSREOP  REDRAW^BPSREOP1 | | | $$NB^BPSSCR03  MESSAGE^BPSREOP1  $$GET1^DIQ  $$RXDEL^BPSREOP1  STATS^BPSREOP1  PAUSE^VALM1 | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSRXAR  Definition: Array of Claim IENs from user’s input  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSAR  Definition: Array of eligible claims, sorted by Patient  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **BUILD** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| INIT^BPSREOP  REDRAW^BPSREOP1 | | | CLEAN^VALM10  $$GETINSUR^BPSSCRU2  $$PATINF^BPSSCR02  SAVEARR^BPSSCR02  $$CLAIMINF^BPSSCR02  $$ADDINF^BPSSCR03 | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSPTRX  Definition: Flag for user input type; 1=Patient input, 2=RX input  New  Modify  Delete  No Change  Name: BPSPTID  Definition: Patient IEN  New  Modify  Delete  No Change  Name: BPSDT1  Definition: From Date  New  Modify  Delete  No Change  Name: BPSDT2  Definition: Thru Date  New  Modify  Delete  No Change  Name: BPSRXAR  Definition: Array of Claim IENs from user’s input  New  Modify  Delete  No Change  Name: BPSAR  Definition: Array of eligible claims, sorted by Patient  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **RXDEL** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| COLLPT^BPSREOP1  COLLRX^BPSREOP1 | | | $$RXDEL^BPSOS | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPIEN59  Definition: Claim IEN  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **MESSAGE** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| COLLRX^BPSREOP1 | | | $$RXREF^BPSSCRU2  $$RXNUM^BPSSCRU2 | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSIEN1  Definition: Claim IEN  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **STATS** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| COLLPT^BPSREOP1  COLLRX^BPSREOP1 | | | $$CLAIMST^BPSSCRU3  $$ELIGCODE^BPSSCR05 | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSPTID  Definition: Patient IEN  New  Modify  Delete  No Change  Name: BPS59  Definition: Claim IEN  New  Modify  Delete  No Change  Name: BPSAR  Definition: Array of eligible claims, sorted by Patient  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **STATS1** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| BUILD^BPSREOP1 | | | N/A | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPSPTID  Definition: Patient IEN  New  Modify  Delete  No Change  Name: BPSAR  Definition: Array of eligible claims, sorted by Patient  New  Modify  Delete  No Change | | | | | | | |
|  |  | | | | | | | |
| Subroutine | **EUSCREOP** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| BPS PRTCL USRSCR REOPEN CLOSED CLAIMS action | | | PAUSE^VALM1  FULL^VALM1  $$ASKLINES^BPSSCRU4  $$LJ^BPSSCR02  $$NB^BPSSCR03  $$CLOSED02^BPSSCR03  $$RXDEL^BPSOS  $$YESNO^BPSSCRRS  $$REOPEN^BPSBUTL  REDRAW^BPSREOP1  REDRAW^BPSSCRUD | | | | |
|  |  | | | | | | | |
| Subroutine | **REDRAW** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EUSCREOP^BPSREOP1  RES^BPSSCRRS | | | CLEAN^VALM10  COLLPT^BPSREOP1  COLLRX^BPSREOP1  BUILD^BPSREOP1 | | | | |
| Current Logic | | | | | | | | |
| BPSREOP1 ;BHAM ISC/SS - REOPEN CLOSED CLAIMS ;03/07/08 14:54  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3,7,10,11,20\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;Reopen closed claims  ;  ;create an ^TMP for the list manager  ;  COLLECT(BPDFN,BPSTRT,BPEND) ;  D CLEAN^VALM10  N LINE  N BPIEN02,BPIEN59  S LINE=1  S BPIEN59=0  F S BPIEN59=$O(^BPST("AC",BPDFN,BPIEN59)) Q:+BPIEN59=0 D  . I $P($G(^BPST(BPIEN59,12)),U,2)<BPSTRT Q  . I $P($G(^BPST(BPIEN59,12)),U,2)>BPEND Q  . ; Don't display deleted prescriptions  . I $$RXDEL^BPSOS($P(^BPST(BPIEN59,1),U,11),$P(^BPST(BPIEN59,1),U,1)) Q  . S BPIEN02=+$P($G(^BPST(BPIEN59,0)),U,4)  . ;if the is no BPS CLAIMS - error  . Q:BPIEN02=0  . ;if NOT closed  . I +$P($G(^BPSC(BPIEN02,900)),U)=0 Q  . D SET^VALM10(LINE,$$LJ^BPSSCR02(LINE,6)\_$$CLAIMINF(BPIEN59),BPIEN59)  . S LINE=LINE+1  S VALMCNT=LINE-1 ;"of PAGE" fix - VALMCNT should be EXACT number of lines on the screen  Q  ;claim info for list manager screen  CLAIMINF(BP59) ;\*/  Q $$CLAIMINF^BPSSCR02(BP59)  ;  ;patient info for header  PATINF(BPDFN) ;\*/  N X  S X=$E($$PATNAME(BPDFN),1,22)\_" "\_$$SSN4^BPSSCRU2(BPDFN)  Q $$LJ^BPSSCR02(X,29) ;name  ;  ;------------ patient's name  PATNAME(BPDFN) ;  Q $E($P($G(^DPT(BPDFN,0)),U),1,30)  ;  ;/\*\*  ;ECME User Screen Reopen Closed Claim Hidden Action (ROC)  ;\*\*/  EUSCREOP ;  N BPREOP,BP59,BPDFN,BPDISP,BPCNT,BPI,BPJ,BPCOMM,BPRETV,BPIEN02,BPSRXNUM  ; Check for BPS MANAGER security key  I '$D(^XUSEC("BPS MANAGER",DUZ)) D Q  . W !,"You must hold the BPS MANAGER Security Key to access the",!,"Reopen Closed Claims option."  . S VALMBCK="R"  . D PAUSE^VALM1  S (BP59,BPCNT,BPI,BPJ)=0  I '$D(@(VALMAR)) G REOP  D FULL^VALM1  ; Select the claim(s) to reopen  W !,"Enter the line number for the claim you want to reopen."  I $$ASKLINES^BPSSCRU4("","C",.BPREOP,VALMAR) D  . ; Build array to display to user  . F S BP59=$O(BPREOP(BP59)) Q:BP59="" D  . . S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  . . S BPCNT=BPCNT+1  . . I '$D(BPDISP(BPDFN)) S BPDISP(BPDFN,BPCNT)=$$LJ^BPSSCR02($$PATNAME(BPDFN)\_" :",50),BPCNT=BPCNT+1  . . S BPDISP(BPDFN,BPCNT)=@VALMAR@($P(BPREOP(BP59),U,1),0)  . . ;  . . ; check for non-billable entry  . . I $$NB^BPSSCR03(BP59) D Q  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="Entry is NON BILLABLE. There is no claim to reopen."  . . . K BPREOP(BP59)  . . . Q  . . ;  . . ; Make sure this claim is closed  . . I '$$CLOSED02^BPSSCR03($P($G(^BPST(BP59,0)),U,4)) D  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="Claim NOT closed and cannot be reopened."  . . . K BPREOP(BP59)  . . ; Make sure the Prescription isn't deleted  . . I $$RXDEL^BPSOS($P(^BPST(BP59,1),U,11),$P(^BPST(BP59,1),U,1)) D  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="The prescription has been marked DELETED and cannot be reopened."  . . . K BPREOP(BP59)  . ; Display the selected claims from the display array  . W !!,"You've chosen to reopen the following prescriptions(s) for"  . F S BPI=$O(BPDISP(BPI)) Q:BPI="" D  . . F S BPJ=$O(BPDISP(BPI,BPJ)) Q:BPJ="" D  . . . W !,BPDISP(BPI,BPJ)  . . Q  . Q  ; If there are any closed claims selected, verify if the users still wants to reopen  I $D(BPREOP) D  . W !!,"All Selected Rxs will be reopened using the same information gathered in the",!,"following prompts.",!!  . I $$YESNO^BPSSCRRS("Are you sure?(Y/N)")=1 D  . . ; Get the Reopen Comments to be stored in the BPS CLAIMS file  . . S BPCOMM=$$PROMPT("REOPEN COMMENTS","","F",1,40)  . . Q:BPCOMM["^"  . . ; Do we REALLY want to reopen the claims?  . . I $$YESNO^BPSSCRRS("ARE YOU SURE YOU WANT TO RE-OPEN THIS CLAIM? (Y/N)","No")=1 D  . . . S (BPCNT,BP59)=0  . . . ; Loop through all selected claims and reopen them one at a time  . . . ; using the same comments  . . . F S BP59=$O(BPREOP(BP59)) Q:BP59="" D  . . . . S BPIEN02=+$P($G(^BPST(BP59,0)),U,4)  . . . . S BPRETV=$$REOPEN^BPSBUTL(BP59,BPIEN02,$$NOW^XLFDT,+DUZ,BPCOMM)  . . . . W !,$P(BPRETV,U,2)  . . . . I +BPRETV S BPCNT=BPCNT+1  . . . . Q  . . . I BPCNT>1 W !!,BPCNT\_" claims have been reopened.",! Q  . . . I BPCNT=1 W !!,"1 claim has been reopened.",! Q  . . . I BPCNT=0 W !!,"Unable to reopen claim" Q  I '$D(BPREOP) S VALMBCK="R" D PAUSE^VALM1 Q  D PAUSE^VALM1  D REDRAW^BPSSCRUD("Updating screen for reopened claims...")  Q  ;  SELECT ;  I VALMCNT<1 D Q  . W !,"No claims to select." D PAUSE^VALM1 S VALMBCK="R"  N BP59,BPQ  D FULL^VALM1  S BP59=0  S BPQ=0  F S BPLINE=$$PROMPT("Select item","","A") D Q:BPQ  . I BPLINE="^" S BPQ=1 Q  . I '(BPLINE?1N.N) W !,"Please select a SINGLE Rx Line Item." Q  . S BP59=+$$GET59(+BPLINE) I BP59>0 S BPQ=1 Q  . W !,"Please select a VALID Rx Line Item."  I BPLINE="^" S VALMBCK="R" Q  I BP59=0 S VALMBCK="R" W !,"Invalid selection." D PAUSE^VALM1 Q  I $$SELCLAIM(BP59)<1 S VALMBCK="R" Q  ;D RE^VALM4  D REDRAW  S VALMBCK="R"  Q  ;  GET59(BPLINE) ;  Q +$O(^TMP("BPSREOP",$J,"VALM","IDX",BPLINE,0))  ;  ;display selected claim information  SELCLAIM(BP59) ;  D FULL^VALM1  W @IOF  N BPX,BPX1,BPDFN,BPIEN02,BPCLDATA,BPCOMM,BPRETV,BPQ  S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  S BPX1=$$RXREF^BPSSCRU2(BP59)  W !,?1,$$LJ^BPSSCR02("PATIENT NAME: "\_$$PATNAME(BPDFN),30)  W ?33,$$LJ^BPSSCR02("RX#: "\_$$RXNUM^BPSSCRU2(+BPX1)\_" "\_$P(BPX1,U,2),22)  W ?57,$$LJ^BPSSCR02("DRUG: "\_$$DRGNAME^BPSSCRU2(BP59),22)  ;ien in BPS CLAIMS  S BPIEN02=+$P($G(^BPST(BP59,0)),U,4)  I BPIEN02=0 W !,"BPS CLAIMS file error!" D PAUSE^VALM1 Q -1  ;Close info  S BPCLDATA=$G(^BPSC(BPIEN02,900))  ;if the is no BPS CLAIMS - error  W !,?3,"CLOSED ",$$FORMDATE^BPSSCRU6(+$P($G(^BPSC(BPIEN02,900)),U,2),2)  W !,?4,"ECME#: "\_$$ECMENUM^BPSSCRU2(BP59)\_", DOS: "\_$$LASTDOS^BPSUTIL2(BP59,1)  W ", RELEASE DATE: "\_$$FORMDATE^BPSSCRU6($$RELDATE^BPSSCRU6(+BPX1,+$P(BPX1,U,2)),2)  W !,?4,"PLAN: ",$$PLANNAME^BPSSCRU6(BP59)," INSURANCE: ",$$INSNAME^BPSSCRU6(BP59)  W !,?4,"CLOSE REASON: ",$$CLREASON^BPSSCRU6(+$P(BPCLDATA,U,4))  W !,?4,"DROP TO PAPER: ",$S(+$P(BPCLDATA,U,5)=1:"YES",1:"NO")  W !,?4,"CLOSE USER: ",$P($G(^VA(200,+$P(BPCLDATA,U,3),0)),U)  W !!,"You have selected the CLOSED electronic claim listed above.",!  S BPCOMM=$$PROMPT("REOPEN COMMENTS","","F",1,40)  Q:BPCOMM["^" 0  S BPQ=$$YESNO^BPSSCRRS("ARE YOU SURE YOU WANT TO RE-OPEN THIS CLAIM? (Y/N)","No")  Q:BPQ<1 0  S BPRETV=$$REOPEN^BPSBUTL(BP59,BPIEN02,$$NOW^XLFDT,+DUZ,BPCOMM)  W !,$P(BPRETV,U,2),!  W !,"1 claim has been reopened.",!  D PAUSE^VALM1  Q 1  ;  REDRAW ;  N BPARR  D CLEAN^VALM10  D COLLECT^BPSREOP1(BPDFN,BPSTRT,BPEND)  S VALMBCK="R"  Q  ;input:  ;BPSPROM - prompt text  ;BPSDFVL - default value (optional)  ;BPMODE - N- to enter numbers, F - free text, A - free text w/o limitations  ;returns:  ; "response"  ; or "^" for quit  PROMPT(BPSPROM,BPSDFVL,BPMODE,MINLEN,MAXLEN) ;  N IR,X,Y,DIRUT,DIR  I BPMODE="N" S DIR(0)="N^::2"  I BPMODE="A" S DIR(0)="F^::2"  I BPMODE="F" S DIR(0)="F^"\_MINLEN\_":"\_MAXLEN\_":2^K:(X?1"" ""."" "") X"  S DIR("A")=BPSPROM  I $L($G(BPSDFVL))>0 S DIR("B")=$G(BPSDFVL)  D ^DIR I $D(DIRUT) Q "^"  I Y["^" Q "^"  Q Y  ;  ;Update reopen record in BPS CLAIM  ;Input:  ; BP02 - ien in BPS CLAIMS file  ; BPCLOSED - value for CLOSED field  ; BPREOPDT - reopen date/time  ; BPDUZ - user DUZ (#200 ien)  ; BPCOMM - reopen comment text  ;Output:  ; 0^message\_error - error  ; 1 - success  UPDREOP(BP02,BPCLOSED,BPREOPDT,BPDUZ,BPCOMM) ;  ;Now update ECME database  N RECIENS,BPDA,BPLCK,ERRARR  S RECIENS=BP02\_","  S BPDA(9002313.02,RECIENS,901)=BPCLOSED ;CLOSED = "NO"  S BPDA(9002313.02,RECIENS,906)=BPREOPDT ;reopen date/time  S BPDA(9002313.02,RECIENS,907)=+BPDUZ ;user  S BPDA(9002313.02,RECIENS,908)=BPCOMM ;comment  L +^BPST(9002313.02,+BP02):10  S BPLCK=$T  I 'BPLCK Q "0^Locked record" ;quit  D FILE^DIE("","BPDA","ERRARR")  I BPLCK L -^BPST(9002313.02,+BP02)  I $D(ERRARR) Q "0^"\_ERRARR("DIERR",1,"TEXT",1)  Q 1  ;  ; Reopen Closed Claim displayed in ECME User Screen  REOP ;  Q | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSREOP1 ;BHAM ISC/SS - REOPEN CLOSED CLAIMS ;03/07/08 14:54  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3,7,10,11,20,23\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;Reopen closed claims  ;  ;create an ^TMP for the list manager  ;  ~~COLLECT(BPDFN,BPSTRT,BPEND) ;~~  ~~Q~~  ~~D CLEAN^VALM10~~  ~~N LINE~~  ~~N BPIEN02,BPIEN59~~  ~~S LINE=1~~  ~~S BPIEN59=0~~  ~~F S BPIEN59=$O(^BPST("AC",BPDFN,BPIEN59)) Q:+BPIEN59=0 D~~  ~~. ; Verify claim is within specified date range~~  ~~. I $P($G(^BPST(BPIEN59,12)),U,2)<BPSTRT Q~~  ~~. I $P($G(^BPST(BPIEN59,12)),U,2)>BPEND Q~~  ~~. ; Don't display deleted prescriptions~~  ~~. I $$RXDEL^BPSOS($P(^BPST(BPIEN59,1),U,11),$P(^BPST(BPIEN59,1),U,1)) Q~~  ~~. S BPIEN02=+$P($G(^BPST(BPIEN59,0)),U,4)~~  ~~. ;if the is no BPS CLAIMS - error~~  ~~. Q:BPIEN02=0~~  ~~. ;if NOT closed~~  ~~. I +$P($G(^BPSC(BPIEN02,900)),U)=0 Q~~  ~~. D SET^VALM10(LINE,$$LJ^BPSSCR02(LINE,6)\_$$CLAIMINF(BPIEN59),BPIEN59)~~  ~~. S LINE=LINE+1~~  ~~S VALMCNT=LINE-1 ;"of PAGE" fix - VALMCNT should be EXACT number of lines on the screen~~  ~~Q~~  ;  ; BPSPTID - Patient IEN  ; BPSDT1 - From Date  ; BPSDT2 - Thru Date  ; BPSAR - Array of eligible claims, sorted by Patient  COLLPT(BPSPTID,BPSDT1,BPSDT2,BPSAR) ; Collect info based on user input of Patient data  N BPS59,BPSRXDEL  S BPS59=""  K BPSAR,BPSRXAR  ; Loop through Transaction File, for user input Patient, by Date  F S BPS59=$O(^BPST("AC",BPSPTID,BPS59)) Q:BPS59="" D  . I $$GET1^DIQ(9002313.59,BPS59,1202,"I")<BPSDT1 Q  . I $$GET1^DIQ(9002313.59,BPS59,1202,"I")>BPSDT2 Q  . S BPSRXDEL=$$RXDEL(BPS59)  . I BPSRXDEL=0 Q  . S BPSAR(BPSPTID,BPS59)=""  . D STATS(BPSPTID,BPS59,.BPSAR)  Q  ;  ; BPSRXAR - Array of Claim IENs from user's input  ; BPSAR - Array of eligible claims, sorted by Patient  COLLRX(BPSRXAR,BPSAR) ; Collect info based on user input of Rx data  N BPS59,BPSIEN,BPSIEN1,BPSPAUSE,BPSPTID,BPSRXDEL  S BPSRXERR=""  K BPSAR  S BPSIEN=""  S BPSPAUSE=""  F S BPSIEN=$O(BPSRXAR(BPSIEN)) Q:BPSIEN="" D  . S BPSIEN1=BPSIEN  . S BPS59=""  . F S BPSIEN1=$O(^BPST("B",BPSIEN1)) Q:BPSIEN1'[BPSIEN D  . . F S BPS59=$O(^BPST("B",BPSIEN1,BPS59)) Q:BPS59="" D  . . . ; Don't include if Non-Billable  . . . I $$NB^BPSSCR03(BPS59)=1 D Q  . . . . D MESSAGE(BPSIEN1)  . . . . S BPSPAUSE=1  . . . ; Get Patient ID  . . . S BPSPTID=$$GET1^DIQ(9002313.59,BPS59,5,"I")  . . . I BPSPTID="" Q  . . . S BPSRXDEL=$$RXDEL(BPS59)  . . . I BPSRXDEL=0 Q  . . . S BPSAR(BPSPTID,BPS59)=""  . . . D STATS(BPSPTID,BPS59,.BPSAR)  ;  ; Pause 1 time if any of the user input RX #s are non-billable.  ; Pausing 1 time will allow any/all non-billable messages to be  ; displayed to the user at once.  I BPSPAUSE=1 D PAUSE^VALM1  Q  ;  ; BPSPTRX - Flag for user input type; 1=Patient input, 2=RX input  ; BPSPTID - Patient IEN  ; BPSDT1 - From Date  ; BPSDT2 - Thru Date  ; BPSRXAR - Array of Claim IENs from user's input  ; BPSAR - Array of eligible claims, sorted by Patient  BUILD(BPSPTRX,BPSPTID,BPSDT1,BPSDT2,BPSRXAR,BPSAR) ; build the ListView  N BPS59,BPSCLCNT,BPSINSDAT,BPSINSUR,BPSLINE,BPSPTCNT,BPSPTID1,BPSPTINFO,BPSSTR  D CLEAN^VALM10  ; Save All User input to "FILTERS" portion of ^TMP file.  ; This will be needed when the call to REDRAW the list file is made.  S @VALMAR@("FILTERS","PTRX")=BPSPTRX  I BPSPTRX=1 D  . S @VALMAR@("FILTERS","PTID")=BPSPTID  . S @VALMAR@("FILTERS","FROMDT")=BPSDT1  . S @VALMAR@("FILTERS","THRUDT")=BPSDT2  I BPSPTRX=2 D  . M @VALMAR@("FILTERS","BPSRXAR")=BPSRXAR  S (BPSLINE,BPSPTCNT)=0  S (BPSPTID,BPSPTID1,BPS59)=""  F S BPSPTID=$O(BPSAR(BPSPTID)) Q:BPSPTID="" D  . S BPSPTCNT=BPSPTCNT+1  . S BPSCLCNT=0  . S BPSSTAT=$$STATS1(BPSPTID,.BPSAR)  . F S BPS59=$O(BPSAR(BPSPTID,BPS59)) Q:BPS59="" D  . . I BPSPTID'=BPSPTID1 D  . . . S BPSINSDAT=$$GETINSUR^BPSSCRU2(BPS59)  . . . S BPSPTINFO=$$PATINF^BPSSCR02(BPSPTID,BPSINSDAT)  . . . S BPSLINE=BPSLINE+1  . . . S BPSSTR=$$LJ^BPSSCR02(BPSPTCNT,4)\_BPSPTINFO\_" "\_BPSSTAT  . . . S BPSINSUR=+BPSINSDAT  . . . D SAVEARR^BPSSCR02(VALMAR,BPSPTCNT,BPSCLCNT,BPSPTID,BPS59,BPSLINE,BPSSTR,BPSINSUR)  . . . S BPSPTID1=BPSPTID  . . S BPSCLMINFO=$$CLAIMINF^BPSSCR02(BPS59)  . . S BPSCLCNT=BPSCLCNT+1  . . S BPSLINE=BPSLINE+1  . . S BPSSTR=" "\_BPSPTCNT\_"."\_BPSCLCNT\_" "\_BPSCLMINFO  . . D SAVEARR^BPSSCR02(VALMAR,BPSPTCNT,BPSCLCNT,BPSPTID,BPS59,BPSLINE,BPSSTR,BPSINSUR)  . . N BPSCMT,X  . . S BPSLNS=$$ADDINF^BPSSCR03(BPS59,.BPSCMT,74,"R")  . . F X=1:1:BPSLNS D  . . . I $G(BPSCMT(X))="" Q  . . . S BPSLINE=BPSLINE+1  . . . S BPSSTR=" "\_BPSCMT(X)  . . . D SAVEARR^BPSSCR02(VALMAR,BPSPTCNT,BPSCLCNT,BPSPTID,BPS59,BPSLINE,BPSSTR,BPSINSUR)  S VALMCNT=BPSLINE-1  Q  ;  RXDEL(BPIEN59) ; Check if RX Deleted  N BPIEN02,BPSTAR,BPST3,BPST9,BPST11  D GETS^DIQ("9002313.59",BPIEN59,"1.11;9;3","I","BPSTAR")  S BPST11=$G(BPSTAR("9002313.59",BPIEN59\_",",1.11,"I"))  S BPST9=$G(BPSTAR("9002313.59",BPIEN59\_",",9,"I"))  S BPST3=$G(BPSTAR("9002313.59",BPIEN59\_",",3,"I"))  ; Don't display deleted prescriptions  I $$RXDEL^BPSOS(BPST11,BPST9) Q 0  ;if there is no BPS CLAIMS - error  I +BPST3=0 Q 0  Q 1  ;  ; BPSIEN1 - Claim IEN  MESSAGE(BPSIEN1) ; Not billable message to user  N BPSRX,BPSRX1  S BPSRX=$$RXREF^BPSSCRU2(BPSIEN1)  S BPSRX1=$$RXNUM^BPSSCRU2(+BPSRX)\_"/"\_$P(BPSRX,"^",2)  W !,"Prescription "\_BPSRX1\_" is not billable and will not display."  Q  ;  ; BPSPTID - Patient ID  ; BPS59 - Claim IEN  ; BPSAR - Array of eligible claims, sorted by Patient  ; Update the BPSAR array, at the patient level, with counters  ; based on each claim. Counters will capture if the claim is  ; Payable, Rejected, Reversal Accepted or Reversal Rejected.  STATS(BPSPTID,BPS59,BPSAR) ; Capture Patient Stats  N BPSACRV,BPSELIG,BPSELIG1,BPSJRV,BPSPB,BPSRJ,BPX  S BPSPB=$P($G(BPSAR(BPSPTID)),"^",2)  S BPSRJ=$P($G(BPSAR(BPSPTID)),"^",3)  S BPSACRV=$P($G(BPSAR(BPSPTID)),"^",4)  S BPSJRV=$P($G(BPSAR(BPSPTID)),"^",5)  S BPX=$P($$CLAIMST^BPSSCRU3(BPS59),”^”)  I BPX="E PAYABLE" S BPSPB=BPSPB+1  I BPX="E REJECTED" S BPSRJ=BPSRJ+1  I BPX="E REVERSAL ACCEPTED" S BPSACRV=BPSACRV+1  I BPX="E REVERSAL REJECTED" S BPSJRV=BPSJRV+1  S BPSELIG=$$ELIGCODE^BPSSCR05(BPS59)  S BPSELIG1="Unk"  I BPSELIG="V" S BPSELIG1="VET"  I BPSELIG="T" S BPSELIG1="TRI"  I BPSELIG="C" S BPSELIG1="CVA"  S BPSAR(BPSPTID)=BPSELIG1\_"^"\_BPSPB\_"^"\_BPSRJ\_"^"\_BPSACRV\_"^"\_BPSJRV  Q  ;  ; BPSPTID - Patient ID  ; BPSAR - Array of eligible claims, sorted by Patient  ; Format the patient level information captured in the STATS  ; subroutine for display in the ListView. The display of this  ; information will match the display format used in ECME User Screen.  STATS1(BPSPTID,BPSAR) ; Format Stats line for ListView  N BPSSTATS,BPSSTAT1  S BPSSTATS=$G(BPSAR(BPSPTID))  S BPSSTATS1=$P(BPSSTATS,"^")\_" "  I +$P(BPSSTATS,"^",2)>0,$P(BPSSTATS,"^",3,5)="^^" S BPSSTATS1=BPSSTATS1\_"ALL payable"  E D  . S BPSSTATS1=BPSSTATS1\_"Pb:"\_+$P(BPSSTATS,"^",2)\_" "  . S BPSSTATS1=BPSSTATS1\_"Rj:"\_+$P(BPSSTATS,"^",3)\_" "  . S BPSSTATS1=BPSSTATS1\_"AcRv:"\_+$P(BPSSTATS,"^",4)\_" "  . S BPSSTATS1=BPSSTATS1\_"RjRv:"\_+$P(BPSSTATS,"^",5)  Q BPSSTATS1  ;  ;claim info for list manager screen  CLAIMINF(BP59) ;\*/  Q $$CLAIMINF^BPSSCR02(BP59)  ;  ;patient info for header  PATINF(BPDFN) ;\*/  N X  S X=$E($$PATNAME(BPDFN),1,22)\_" "\_$$SSN4^BPSSCRU2(BPDFN)  Q $$LJ^BPSSCR02(X,29) ;name  ;  ;------------ patient's name  PATNAME(BPDFN) ;  Q $E($P($G(^DPT(BPDFN,0)),U),1,30)  ;  ;/\*\*  ;ECME User Screen Reopen Closed Claim Hidden Action (ROC)  ;\*\*/  EUSCREOP ;  N BPREOP,BP59,BPDFN,BPDISP,BPCNT,BPI,BPJ,BPCOMM,BPRETV,BPIEN02,BPSRXNUM  ; Check for BPS MANAGER security key  I '$D(^XUSEC("BPS MANAGER",DUZ)) D Q  . W !,"You must hold the BPS MANAGER Security Key to access the",!,"Reopen Closed Claims option."  . S VALMBCK="R"  . D PAUSE^VALM1  S (BP59,BPCNT,BPI,BPJ)=0  I '$D(@(VALMAR)) G REOP  D FULL^VALM1  ; Select the claim(s) to reopen  W !,"Enter the line number for the claim you want to reopen."  I $$ASKLINES^BPSSCRU4("","C",.BPREOP,VALMAR) D  . ; Build array to display to user  . F S BP59=$O(BPREOP(BP59)) Q:BP59="" D  . . S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  . . S BPCNT=BPCNT+1  . . I '$D(BPDISP(BPDFN)) S BPDISP(BPDFN,BPCNT)=$$LJ^BPSSCR02($$PATNAME(BPDFN)\_" :",50),BPCNT=BPCNT+1  . . S BPDISP(BPDFN,BPCNT)=@VALMAR@($P(BPREOP(BP59),U,1),0)  . . ;  . . ; check for non-billable entry  . . I $$NB^BPSSCR03(BP59) D Q  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="Entry is NON BILLABLE. There is no claim to reopen."  . . . K BPREOP(BP59)  . . . Q  . . ;  . . ; Make sure this claim is closed  . . I '$$CLOSED02^BPSSCR03($P($G(^BPST(BP59,0)),U,4)) D  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="Claim NOT closed and cannot be reopened."  . . . K BPREOP(BP59)  . . ; Make sure the Prescription isn't deleted  . . I $$RXDEL^BPSOS($P(^BPST(BP59,1),U,11),$P(^BPST(BP59,1),U,1)) D  . . . S BPCNT=BPCNT+1  . . . S BPDISP(BPDFN,BPCNT)="The prescription has been marked DELETED and cannot be reopened."  . . . K BPREOP(BP59)  . ; Display the selected claims from the display array  . W !!,"You've chosen to reopen the following prescriptions(s) for"  . F S BPI=$O(BPDISP(BPI)) Q:BPI="" D  . . F S BPJ=$O(BPDISP(BPI,BPJ)) Q:BPJ="" D  . . . W !,BPDISP(BPI,BPJ)  . . Q  . Q  ; If there are any closed claims selected, verify if the users still wants to reopen  I $D(BPREOP) D  . W !!,"All Selected Rxs will be reopened using the same information gathered in the",!,"following prompts.",!!  . I $$YESNO^BPSSCRRS("Are you sure?(Y/N)")=1 D  . . ; Get the Reopen Comments to be stored in the BPS CLAIMS file  . . S BPCOMM=$$PROMPT("REOPEN COMMENTS","","F",1,40)  . . Q:BPCOMM["^"  . . ; Do we REALLY want to reopen the claims?  . . I $$YESNO^BPSSCRRS("ARE YOU SURE YOU WANT TO RE-OPEN THIS CLAIM? (Y/N)","No")=1 D  . . . S (BPCNT,BP59)=0  . . . ; Loop through all selected claims and reopen them one at a time  . . . ; using the same comments  . . . F S BP59=$O(BPREOP(BP59)) Q:BP59="" D  . . . . S BPIEN02=+$P($G(^BPST(BP59,0)),U,4)  . . . . S BPRETV=$$REOPEN^BPSBUTL(BP59,BPIEN02,$$NOW^XLFDT,+DUZ,BPCOMM)  . . . . W !,$P(BPRETV,U,2)  . . . . I +BPRETV S BPCNT=BPCNT+1  . . . . Q  . . . I BPCNT>1 W !!,BPCNT\_" claims have been reopened.",! Q  . . . I BPCNT=1 W !!,"1 claim has been reopened.",! Q  . . . I BPCNT=0 W !!,"Unable to reopen claim" Q  I '$D(BPREOP) S VALMBCK="R" D PAUSE^VALM1 Q  D PAUSE^VALM1  I $D(@VALMAR@("FILTERS")) D REDRAW  E D REDRAW^BPSSCRUD("Updating screen for reopened claims...")  Q  ;  SELECT ;  I VALMCNT<1 D Q  . W !,"No claims to select." D PAUSE^VALM1 S VALMBCK="R"  N BP59,BPQ  D FULL^VALM1  S BP59=0  S BPQ=0  F S BPLINE=$$PROMPT("Select item","","A") D Q:BPQ  . I BPLINE="^" S BPQ=1 Q  . I '(BPLINE?1N.N) W !,"Please select a SINGLE Rx Line Item." Q  . S BP59=+$$GET59(+BPLINE) I BP59>0 S BPQ=1 Q  . W !,"Please select a VALID Rx Line Item."  I BPLINE="^" S VALMBCK="R" Q  I BP59=0 S VALMBCK="R" W !,"Invalid selection." D PAUSE^VALM1 Q  I $$SELCLAIM(BP59)<1 S VALMBCK="R" Q  ;D RE^VALM4  D REDRAW  S VALMBCK="R"  Q  ;  GET59(BPLINE) ;  Q +$O(^TMP("BPSREOP",$J,"VALM","IDX",BPLINE,0))  ;  ;display selected claim information  SELCLAIM(BP59) ;  D FULL^VALM1  W @IOF  N BPX,BPX1,BPDFN,BPIEN02,BPCLDATA,BPCOMM,BPRETV,BPQ  S BPDFN=+$P($G(^BPST(BP59,0)),U,6)  S BPX1=$$RXREF^BPSSCRU2(BP59)  W !,?1,$$LJ^BPSSCR02("PATIENT NAME: "\_$$PATNAME(BPDFN),30)  W ?33,$$LJ^BPSSCR02("RX#: "\_$$RXNUM^BPSSCRU2(+BPX1)\_" "\_$P(BPX1,U,2),22)  W ?57,$$LJ^BPSSCR02("DRUG: "\_$$DRGNAME^BPSSCRU2(BP59),22)  ;ien in BPS CLAIMS  S BPIEN02=+$P($G(^BPST(BP59,0)),U,4)  I BPIEN02=0 W !,"BPS CLAIMS file error!" D PAUSE^VALM1 Q -1  ;Close info  S BPCLDATA=$G(^BPSC(BPIEN02,900))  ;if the is no BPS CLAIMS - error  W !,?3,"CLOSED ",$$FORMDATE^BPSSCRU6(+$P($G(^BPSC(BPIEN02,900)),U,2),2)  W !,?4,"ECME#: "\_$$ECMENUM^BPSSCRU2(BP59)\_", DOS: "\_$$LASTDOS^BPSUTIL2(BP59,1)  W ", RELEASE DATE: "\_$$FORMDATE^BPSSCRU6($$RELDATE^BPSSCRU6(+BPX1,+$P(BPX1,U,2)),2)  W !,?4,"PLAN: ",$$PLANNAME^BPSSCRU6(BP59)," INSURANCE: ",$$INSNAME^BPSSCRU6(BP59)  W !,?4,"CLOSE REASON: ",$$CLREASON^BPSSCRU6(+$P(BPCLDATA,U,4))  W !,?4,"DROP TO PAPER: ",$S(+$P(BPCLDATA,U,5)=1:"YES",1:"NO")  W !,?4,"CLOSE USER: ",$P($G(^VA(200,+$P(BPCLDATA,U,3),0)),U)  W !!,"You have selected the CLOSED electronic claim listed above.",!  S BPCOMM=$$PROMPT("REOPEN COMMENTS","","F",1,40)  Q:BPCOMM["^" 0  S BPQ=$$YESNO^BPSSCRRS("ARE YOU SURE YOU WANT TO RE-OPEN THIS CLAIM? (Y/N)","No")  Q:BPQ<1 0  S BPRETV=$$REOPEN^BPSBUTL(BP59,BPIEN02,$$NOW^XLFDT,+DUZ,BPCOMM)  W !,$P(BPRETV,U,2),!  W !,"1 claim has been reopened.",!  D PAUSE^VALM1  Q 1  ;  REDRAW ;  N BPARR  S BPSPTRX=@VALMAR@("FILTERS","PTRX")  I BPSPTRX=1 D  . S BPSPTID=@VALMAR@("FILTERS","PTID")  . S BPSDT1=@VALMAR@("FILTERS","FROMDT")  . S BPSDT2=@VALMAR@("FILTERS","THRUDT")  I BPSPTRX=2 D  . K BPSRXAR  . M BPSRXAR=@VALMAR@("FILTERS","BPSRXAR")  D CLEAN^VALM10  I BPSPTRX=1 D COLLPT^BPSREOP1(BPSPTID,BPSDT1,BPSDT2,.BPSAR)  I BPSPTRX=2 D COLLRX^BPSREOP1(.BPSRXAR,.BPSAR)  D BUILD^BPSREOP1(BPSPTRX,.BPSAR)  ~~D COLLECT^BPSREOP1(BPDFN,BPSTRT,BPEND)~~  S VALMBCK="R"  Q  ;input:  ;BPSPROM - prompt text  ;BPSDFVL - default value (optional)  ;BPMODE - N- to enter numbers, F - free text, A - free text w/o limitations  ;returns:  ; "response"  ; or "^" for quit  PROMPT(BPSPROM,BPSDFVL,BPMODE,MINLEN,MAXLEN) ;  N IR,X,Y,DIRUT,DIR  I BPMODE="N" S DIR(0)="N^::2"  I BPMODE="A" S DIR(0)="F^::2"  I BPMODE="F" S DIR(0)="F^"\_MINLEN\_":"\_MAXLEN\_":2^K:(X?1"" ""."" "") X"  S DIR("A")=BPSPROM  I $L($G(BPSDFVL))>0 S DIR("B")=$G(BPSDFVL)  D ^DIR I $D(DIRUT) Q "^"  I Y["^" Q "^"  Q Y  ;  ;Update reopen record in BPS CLAIM  ;Input:  ; BP02 - ien in BPS CLAIMS file  ; BPCLOSED - value for CLOSED field  ; BPREOPDT - reopen date/time  ; BPDUZ - user DUZ (#200 ien)  ; BPCOMM - reopen comment text  ;Output:  ; 0^message\_error - error  ; 1 - success  UPDREOP(BP02,BPCLOSED,BPREOPDT,BPDUZ,BPCOMM) ;  ;Now update ECME database  N RECIENS,BPDA,BPLCK,ERRARR  S RECIENS=BP02\_","  S BPDA(9002313.02,RECIENS,901)=BPCLOSED ;CLOSED = "NO"  S BPDA(9002313.02,RECIENS,906)=BPREOPDT ;reopen date/time  S BPDA(9002313.02,RECIENS,907)=+BPDUZ ;user  S BPDA(9002313.02,RECIENS,908)=BPCOMM ;comment  L +^BPST(9002313.02,+BP02):10  S BPLCK=$T  I 'BPLCK Q "0^Locked record" ;quit  D FILE^DIE("","BPDA","ERRARR")  I BPLCK L -^BPST(9002313.02,+BP02)  I $D(ERRARR) Q "0^"\_ERRARR("DIERR",1,"TEXT",1)  Q 1  ;  ; Reopen Closed Claim displayed in ECME User Screen  REOP ;  Q | | | | | | | | |

| Subroutine Name | **RES^BPSSCRRS** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US597 | | | | | | | |
| Related Menu Options or ListMan Actions | ROC Reopen CLOSED Claim | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| BPS PRTCL USRSCR RESUBMIT action | | | FULL^VALM1  $$ASKLINES^BPSSCRU4  $$RESUBMIT^BPSSCRRS  REDRAW^BPSREOP1  REDRAW^BPSSCRUD | | | | |
| Related Integration Control Registrations (ICRs) | n/a | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| BPSSCRRS ;BHAM ISC/SS - ECME SCREEN RESUBMIT ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,3,5,7,8,10,11,20\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  Q  ;IA 4702  ;IA 5355 for call to $$RXBILL^IBNCPUT3  ;  RES ;  N BPRET,BPSARR59  I '$D(@(VALMAR)) Q  D FULL^VALM1  W !,"Enter the line numbers for the claim(s) to be resubmitted."  S BPRET=$$ASKLINES^BPSSCRU4("Select item(s)","C",.BPSARR59,VALMAR)  I BPRET="^" S VALMBCK="R" Q  ;go thru all selected claims and try to resubmit them separately  ;update the content of the screen and display it  ;only if at least one claim was submitted successfully  I $$RESUBMIT(.BPSARR59) D REDRAW^BPSSCRUD("Updating screen for resubmitted claims...")  E S VALMBCK="R"  Q | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSSCRRS ;BHAM ISC/SS - ECME SCREEN RESUBMIT ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,3,5,7,8,10,11,20,23\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  Q  ;IA 4702  ;IA 5355 for call to $$RXBILL^IBNCPUT3  ;  RES ;  N BPRET,BPSARR59  I '$D(@(VALMAR)) Q  D FULL^VALM1  W !,"Enter the line numbers for the claim(s) to be resubmitted."  S BPRET=$$ASKLINES^BPSSCRU4("Select item(s)","C",.BPSARR59,VALMAR)  I BPRET="^" S VALMBCK="R" Q  ;go thru all selected claims and try to resubmit them separately  ;update the content of the screen and display it  ;only if at least one claim was submitted successfully  I $$RESUBMIT(.BPSARR59) D  . I '$D(@VALMAR@("FILTERS")) D REDRAW^BPSSCRUD("Updating screen for resubmitted claims...")  . E D REDRAW^BPSREOP1  E S VALMBCK="R"  Q | | | | | | | | |

A pre-install routine will be used to update the menu title information.

| Routine Name | **^BPS24PRE** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US597 | | | | | | | |
| Related Menu Options or ListMan Actions | N/A | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| KIDS system; Kernel Installation and Distribution System; called upon patch installation | | | MES^XPDUTL  BMES^XPDUTL  ^DIE | | | | |
| Related Integration Control Registrations (ICRs) | TBD | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: N/A  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| N/A | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPS24PRE ;AITC/PD - Pre-install for BPS\*1.0\*24 ;7/14/2017  ;;1.0;E CLAIMS MGMT ENGINE;\*\*24\*\*;  ;;Per VA Directive 6402, this routine should not be modified.  ; Change to menu option text supported by ICR# TBD  ;  Q  ;  PRE ; Pre-install functions are coded here.  ;  D MES^XPDUTL(" Starting pre-install of BPS\*1.0\*24")  D UPDOPT  D BMES^XPDUTL(" Finished pre-install of BPS\*1.0\*24")  Q  ;  UPDOPT ; Rename Menu Option Text  N BPSMENU,BPSOPT,DA,DR  ;  D MES^XPDUTL(" - Updating OPTION")  S BPSOPT="BPS REOPEN CLOSED CLAIM"  S DA=$O(^DIC(19,"B",BPSOPT,""))  I 'DA D MES^XPDUTL(" - No IEN found for entry "\_BPSOPT) Q  ;  ; Update fields  S BPSMENU="Re Open CLOSED/Resubmit Claim" ; new menu text  D FILE("^DIC(19,",DA,1,BPSMENU)  ;  D MES^XPDUTL(" - "\_BPSOPT\_" entry updated")  D MES^XPDUTL(" - Done with OPTION")  D MES^XPDUTL(" ")  Q  ;  ; DIE - Global to update  ; DA - IEN for entry  ; BPSFLD - Field # to update  ; BPSDATA - Data for update  FILE(DIE,DA,BPSFLD,BPSDATA) ;  ; File into the OPTION file #19  N DR,X,Y  ;  S DR=BPSFLD\_"////"\_BPSDATA  D ^DIE  Q | | | | | | | | |

The ListMan List Template BPS LSTMN ECME REOPEN template will require the following changes:

|  |  |
| --- | --- |
| **Field Attributes** | **Values** |
| **List Template** | BPS LSTMN ECME REOPEN |
| **Screen Title** | Old = REOPEN CLOSED CLAIM  New = REOPEN/RESUBMIT CLAIMS |
| **Bottom Margin** | Old=18  New=19 |

The Menu Protocol for the above List Template is BPS PRTCL REOPEN MENU. It currently has two Actions, one of which will be deleted. The remaining existing Action will be modified (sequence changed from 2 to 3) and two new Actions will be added.

Edits to existing actions:

|  |  |
| --- | --- |
| **Action** | Delete Action BPS PRTCL REOPEN |
| **Action** | Edit Action: BPS PRTCL REOPEN EXIT  Old Sequence = 2  New Sequence = 3 |

New actions to be added to menu protocol:

|  |  |
| --- | --- |
| **Action** | Add Action: BPS PRTCL USRSCR REOPEN CLOSED CLAIMS  Mnemonic: RE  Sequence: 1 |
| **Action** | Add Action: BPS PRTCL USRSCR RESUBMIT  Mnemonic: RES  Sequence: 2 |

As part of the pre-install routine, to update the Menu Text, the following new ICR will be necessary.

|  |  |
| --- | --- |
| Integration Control Registration # | **TBD** |
| Name | Change Menu Text of Menu Option BPS REOPEN CLOSED CLAIM to be ‘Re Open CLOSED/Resubmit Claim’. |
| Enhancement Category | Modify |
| Custodial Package | KERNEL |
| Subscribing Package(s) | BPS |
| Usage | Private |
| Type | File |
| File | 19 |
| Root | DIC(19 |
| Duration | Till Otherwise Agreed |
| Input Variables | Name: n/a  Description: |
| Output Variables | Name: n/a  Description: |
| Description | eBusiness product owners wish to change the menu text of option BPS REOPEN CLOSED CLAIM from ‘Re Open CLOSED Claim’ to ‘Re Open CLOSED/Resubmit Claim’ as part of patch BPS\*1.0\*24.  Permission is required to Accomplish this name change using a pre-install routine. |
| Keywords | OPTION |

# Back Out/Rollback Procedure

This story includes modifications to existing routines, protocols and a list template.

To back out this enhancement, all the routines which are a part of this patch should be backed up prior to installation. Reverting to the previous version of these routines would back out this enhancement. Alternatively, the previous version of these routines could be distributed via an emergency patch.

Rolling back the changes to the protocols and list template would involve the following steps, which could be performed by a developer or IRM at each site or via an emergency patch:

* Rename template Screen Title to be REOPEN CLOSED CLAIM.
* Reset template bottom margin to be 18.
* Delete protocol action BPS PRTCL USRSCR REOPEN CLOSED CLAIMS.
* Delete protocol action BPS PRTCL USRSCR RESUBMIT.
* Add protocol action BPS PRTCL REOPEN.
* Modify protocol action BPS PRTCL REOPEN EXIT to be Sequence = 2.
* Change menu text of option BPS REOPEN CLOSED CLAIM to be “ROC Re Open CLOSED Claim”.