**MCCF EDI TAS US597 / US3969**

System Design Document



Department of Veterans Affairs

**April 2018**

Version 1.02

**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 / US3969

# 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.
* Model the body of the screen after the 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
* Routine: BPSSCRU4
* 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 | **RXP** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EN1^BPSREOP | | | ^DIR  $$RXNUM^PSOBPSU2  DIC^PSODI  DIQ^PSODI | | | | |
|  |  | | | | | | | |
| Subroutine | **DEL** | | | | | | | |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EN1^BPSREOP | | | ^DIC | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: RXIEN  Definition: Prescription IEN  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPSRX  Definition: Array of selected RX IENs  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| BPSREOP ;BHAM ISC/SS - REOPEN CLOSED CLAIMS ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3\*\*;JUN 2004;Build 20  ;; Per VHA Directive 10-93-142, this routine should not be modified.  ;Reopen closed claims  ;Q  EN1 ;  N BPDFN,BPSTRT,BPEND  W @IOF  I $$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;\*\*3,24\*\*;JUN 2004;Build 20  ;;Per VA Directive 6402, this routine should not be modified.  ; Reference to DIC^PSODI supported by IA 4858  ;  ;Reopen closed claims  ;Q EN1 ;  N BPSDT1,BPSDT2,BPSIEN,BPSINPUT,BPSINV,BPSINVC,BPSPTID,BPSPTRX,BPSRX,BPSRXF,I,X EN1A ;   S BPSPTRX=""  ; Prompt Patient Name or Rx  I $$PTRX(.BPSINPUT)<0 Q  ;  ; Patient Name Search  I BPSINPUT="P",$$PTINFO(.BPSPTID)>0 D  . W !  . 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  ;  ; Prescription Number Search  I BPSINPUT="N" D  . S BPSPTRX=2 ; PRESCRIPTION  . K BPSRXAR  . W !  . F  S RXIEN=$$RXP() Q:RXIEN=-1 D  . . S BPSRX=$$GET1^DIQ(52,RXIEN,.01)  . . I $$STATUS^BPSOSRX(RXIEN,0)="" D  . . . W !," Prescription "\_BPSRX\_"/0"\_" is not billable and will not display."  . . S BPSRXF=0  . . F  S BPSRXF=$O(^PSRX(RXIEN,1,BPSRXF)) Q:'BPSRXF  D  . . . I $$STATUS^BPSOSRX(RXIEN,BPSRXF)="" D  . . . . W !," Prescription "\_BPSRX\_"/"\_BPSRXF\_" is not billable and will not display."  . . I $D(BPSRXAR(+RXIEN)) D DEL(RXIEN,BPSRX)  . . E  S BPSRXAR(+RXIEN)=""  ;   I (BPSINPUT="P")&($G(BPSPTID)="") G EN1A  I (BPSINPUT="P")&(($G(BPSDT1)'>0)!($G(BPSDT2)'>0)) G EN1A  I (BPSINPUT="N")&($D(BPSRXAR)=0) G EN1A  ; EN ; -- main entry point for BPS LSTMN ECME REOPEN  N VALMAR,VALMBCK,VALMCNT,VALMHDR,X  D EN^VALM("BPS LSTMN ECME REOPEN")  Q  ; HDR ; -- header code  ;S VALMHDR(1)="This is a test header for BPS LSTMN ECME REOPEN."  ;S VALMHDR(2)="This is the second line"  Q  ; INIT ; -- init variables and list array  N BPTMPGL,Y  ;ask what patient and what is date range  ; Based on user input, call specific routine to build BPSAR array.  ; BPSAR array will contain eligible claims sorted by patient.  I BPSPTRX=1 D COLLPT^BPSREOP1(BPSPTID,BPSDT1,BPSDT2,.BPSAR)  I BPSPTRX=2 D COLLRX^BPSREOP1(.BPSRXAR,.BPSAR)  ; Pass BPSAR array to BUILD routine to create the actual ListMan entries.  D BUILD^BPSREOP1(BPSPTRX,$G(BPSPTID),$G(BPSDT1),$G(BPSDT2),.BPSRXAR,.BPSAR)  I BPSPTRX=1 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  ;  ; BPSINPUT - User Input - Patient Info or RX Info  ; Return Value 0 or -1=Invalid User Input, 1=Value User Input PTRX(BPSINPUT) ; PTRX1 ;   N DIR,DIRUT,Y  S DIR(0)="F^1:1"  S DIR("A")="Select by (P)atient Name or Prescription (N)umber"  S DIR("?",1)="Enter:"   S DIR("?",2)=" P to search by PATIENT NAME or"  S DIR("?",3)=" N to search by PRESCRIPTION NUMBER"  S DIR("?",4)=" "  S DIR("?")="Enter ^ to exit"  D ^DIR K DIR  I $D(DIRUT) Q -1  I Y'="P"&(Y'="N") D  G PTRX1  . W !,"Response must be P or N."  . W !,"Enter ^ to exit."  S BPSINPUT=Y  Q 1  ;  ; BPSPTID - Patient IEN (output)  ; Return Value 0 or -1=Invalid Patient Info, 1=Valid Patient Info PTINFO(BPSPTID) ;  N DIC,X,Y  W !  S DIC="^DPT("  S DIC(0)="AEMNQ"  S DIC("A")="Select Patient: "  D ^DIC  I Y=-1 Q -1  S BPSPTID=+Y  Q 1  ; RXP() ; prompt the user to enter the prescription  ; output value of function is RXIEN^DFN  ;  N RXIEN,DIR,X,Y,DTOUT,DUOUT,DIRUT,DIROUT,DIC,DR,DA,D0,DIQ,PSODIY,RXN,DFN,PNM,DRUG,RXST RXPR ;  S RXIEN="",DFN=""  S DIR(0)="FAO"  S DIR("A")="Select Prescription: "  S DIR("?",1)=" A prescription number or ECME number may be entered. To look-up a"  S DIR("?",2)=" prescription by the ECME number, please enter ""E."" followed by the ECME"  S DIR("?")=" number with or without any leading zeros."  D ^DIR K DIR  I X=""!$D(DIRUT) S RXIEN=-1 G RXPX  S X=$$UP^XLFSTR(X)  ;  ; ECME# lookup  I $E(X,1,2)="E." S RXIEN=+$$RXNUM^PSOBPSU2($E(X,3,$L(X))) G RXP1     ; DBIA #4970  ;  ; Rx# lookup  S DIC=52 S DIC("S")="I $P($G(^(0)),U,2),$D(^(""STA"")),$P($G(^(""STA"")),U,1)'=13"  D DIC^PSODI(52,.DIC,X) K DIC    ; DBIA# 4858  S RXIEN=+Y  ; RXP1 ;  ;  I RXIEN'>0 W " Invalid selection. Please try again.",$C(7) G RXPR    ; start over  ;  ; Display Rx data and get confirmation to proceed  S DIC=52,DR=".01;2;6;100",DA=RXIEN,DIQ="BPSRXD",DIQ(0)="IE"  D DIQ^PSODI(52,DIC,DR,DA,.DIQ) ; DBIA# 4858  S DFN=+$G(BPSRXD(52,DA,2,"I"))  S PNM=$G(BPSRXD(52,DA,2,"E"))  S DRUG=$G(BPSRXD(52,DA,6,"E"))  W ?38,$E(PNM,1,19)," ",$E(DRUG,1,21)  ; RXPX ;  Q RXIEN  ; DEL(RXIEN,BPSRX) ; Delete RX from list  ;  N DIR,Y  W !!,"RX# "\_BPSRX\_" (ECME# "\_RXIEN\_") is a duplicate entry. Delete from list?"  S DIR(0)="S^Y:YES;N:NO"  S DIR("A")="Delete RX# "\_BPSRX\_" (ECME# "\_RXIEN\_") from your list?"  S DIR("B")="NO"  D ^DIR  I Y="Y" K BPSRXAR(+RXIEN)  Q | | | | | | | | |

| 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 | **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;\*\*3,7,10,11,20,24\*\*;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=$$RXDEL(BPS59)  . I BPSRXDEL=0 Q  . S BPSAR(BPSPTID,BPS59)=""  . D STATS(BPSPTID,BPS59,.BPSAR)  Q  ;  ; BPSRXAR - Array of Claim IENs from user's input  ; BPSAR - Array of eligible claims, sorted by Patient COLLRX(BPSRXAR,BPSAR) ; Collect info based on user input of Rx data  N BPS59,BPSIEN,BPSIEN1,BPSPTID,BPSRXDEL  K BPSAR  S BPSIEN=""  F  S BPSIEN=$O(BPSRXAR(BPSIEN)) Q:BPSIEN=""  D  . S BPSIEN1=BPSIEN  . F  S BPSIEN1=$O(^BPST("B",BPSIEN1)) Q:BPSIEN1'[BPSIEN  D  . . S BPS59=""  . . F  S BPS59=$O(^BPST("B",BPSIEN1,BPS59)) Q:BPS59=""  D  . . . ; Get Patient ID  . . . S BPSPTID=$$GET1^DIQ(9002313.59,BPS59,5,"I")  . . . I BPSPTID="" Q  . . . S BPSRXDEL=$$RXDEL(BPS59)  . . . I BPSRXDEL=0 Q  . . . S BPSAR(BPSPTID,BPS59)=""  . . . D STATS(BPSPTID,BPS59,.BPSAR)  Q  ;  ; BPSPTRX - Flag for user input type; 1=Patient input, 2=RX input  ; BPSPTID - Patient IEN  ; BPSDT1 - From Date  ; BPSDT2 - Thru Date  ; BPSRXAR - Array of Claim IENs from user's input  ; BPSAR - Array of eligible claims, sorted by Patient BUILD(BPSPTRX,BPSPTID,BPSDT1,BPSDT2,BPSRXAR,BPSAR) ; build the ListView  N BPS59,BPSCLCNT,BPSCLMINFO,BPSINSDAT,BPSINSUR,BPSLINE,BPSLNS,BPSPTCNT,BPSPTID1  N BPSPTINFO,BPSSTAT,BPSSTR  D CLEAN^VALM10  ; Save All User input to "FILTERS" portion of ^TMP file.  ; This will be needed when the call to REDRAW the list file is made.  S @VALMAR@("FILTERS","PTRX")=BPSPTRX  I BPSPTRX=1 D  . S @VALMAR@("FILTERS","PTID")=BPSPTID  . S @VALMAR@("FILTERS","FROMDT")=BPSDT1  . S @VALMAR@("FILTERS","THRUDT")=BPSDT2  I BPSPTRX=2 D  . M @VALMAR@("FILTERS","BPSRXAR")=BPSRXAR  S (BPSLINE,BPSPTCNT)=0  S (BPSPTID,BPSPTID1,BPS59)=""  F  S BPSPTID=$O(BPSAR(BPSPTID)) Q:BPSPTID=""  D  . S BPSPTCNT=BPSPTCNT+1  . S BPSCLCNT=0  . S BPSSTAT=$$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 the is no BPS CLAIMS - error  I +BPST3=0 Q 0  Q 1  ;  ; BPSPTID - Patient IEN  ; 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 IEN  ; 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,$$NOW^XLFDT,+DUZ,BPCOMM)  . . . . W !,$P(BPRETV,U,2)  . . . . I +BPRETV S BPCNT=BPCNT+1  . . . . Q  . . . I BPCNT>1 W !!,BPCNT\_" claims have been reopened.",! Q  . . . I BPCNT=1 W !!,"1 claim has been reopened.",! Q  . . . I BPCNT=0 W !!,"Unable to reopen claim" Q  I '$D(BPREOP) S VALMBCK="R" D PAUSE^VALM1 Q  D PAUSE^VALM1  I $D(@VALMAR@("FILTERS")) D REDRAW Q  E D REDRAW^BPSSCRUD("Updating screen for reopened claims...")  Q  ;  SELECT ;  I VALMCNT<1 D Q  . W !,"No claims to select." D PAUSE^VALM1 S VALMBCK="R"  N BP59,BPQ  D FULL^VALM1  S BP59=0  S BPQ=0  F S BPLINE=$$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,BPSDT1,BPSDT2,BPSPTID,BPSPTRX  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 $$RESUBMIT(.BPSARR59) D REDRAW^BPSSCRUD("Updating screen for resubmitted claims...")  E S VALMBCK="R"  Q | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSSCRRS ;BHAM ISC/SS - ECME SCREEN RESUBMIT ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,3,5,7,8,10,11,20,24\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  Q  ;IA 4702  ;IA 5355 for call to $$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 | | | | | | | | |

| Subroutine Name | **^BPSSCRU4** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Story | US597 | | | |
| Related Menu Options or ListMan Actions | ROC Reopen CLOSED Claim | | | |
| Current Logic | | | | |
| BPSSCRU4 ;BHAM ISC/SS - ECME SCREEN UTILITIES ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,3,21\*\*;JUN 2004;Build 28  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  Q  ;  ;repeatedly prompts the user for line#  ;the user should "^" to quit or enter a correct line #  ;input:  ; BPROMPT - prompt string  ; BPTYPE expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPERRMES - optional - the message to display when the user  ; tries to make multi line selection  ; BPDFLT - default value for the prompt (optional)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index ASKLINE(BPROMPT,BPTYPE,BPERRMES,BPDFLT) ;  N BPRET,BPCNT  S BPRET="",BPCNT=0  F  S BPRET=$$SELLINE(BPROMPT,BPTYPE,VALMAR,$G(BPDFLT)) Q:BPRET'<0 D  . ;D RE^VALM4  . ;  . I BPCNT<1 S BPCNT=BPCNT+1 W !  . E  S BPCNT=0 D RE^VALM4  . I BPRET=-1 W " - Invalid line number" ; (invalid Patient summary line)"  . I BPRET=-8 W " - ",$S($G(BPERRMES)]"":BPERRMES,1:" Invalid line number")  . I BPRET=-4 W " - Invalid line number" ; (invalid RX line)"  . I BPRET=-2 W " - Please select Patient's summary line."  . I BPRET=-3 W " - Please specify RX line."  . I BPRET<-4 W " - Incorrect format." ; Corrupted array (",BPRET,")"  Q BPRET  ;/\*\*  ;prompts the user for line# for various menu option of the User Screen  ;input:  ; BPROMPT - prompt string  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP1 - temporary global (VALMAR)  ; BPDFLT - default value for the prompt (optional)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index SELLINE(BPROMPT,BPTYPE,BPTMP1,BPDFLT) ;\*/  N BPX,BPLINE,BPPATIND,BPCLMIND  N BPDFN,BPSINSUR,BP59,BP1LN  ;  ; Attempt to determine default if none passed in  I '$G(BPDFLT) S BPDFLT=$$DEFAULT(BPTYPE,BPTMP1)  ;  S BPLINE=$$PROMPT(BPROMPT,$G(BPDFLT))  I BPLINE="^" Q 0  S BPPATIND=+$P(BPLINE,".")  I (BPLINE["-")!(BPLINE[",") Q -8 ;multiple line input in not allowed  I '$D(@BPTMP1@("LMIND",BPPATIND)) Q -1 ;the patient level doesn't exist  S BPCLMIND=+$P(BPLINE,".",2)  I BPTYPE="P",BPCLMIND>0 Q -2 ;P was requested but claim portion was provided  I BPTYPE="C",BPCLMIND=0 Q -3 ;C was requested but claim portion was not provided  I '$D(@BPTMP1@("LMIND",BPPATIND,BPCLMIND)) Q -4 ;the claim level doesn't exist  S BPDFN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,0))  I +BPDFN=0 Q -5 ;error  S BPSINSUR=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,""))  I BPSINSUR="" Q -6 ;error  ;if fractional part was entered  I BPCLMIND>0 D  I +BP59=0 Q -7 ;error  . S BP59=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,0))  I BPCLMIND=0 S BP59=0  S BP1LN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,BP59,0))  I +BP1LN=0 Q -7 ;error  Q "1"\_U\_BPDFN\_U\_BPSINSUR\_U\_BP59\_U\_BP1LN\_U\_BPPATIND\_U\_BPCLMIND  ;  ;input:  ;BPSPROM - prompt text  ;BPSDFVL - default value (optional)  ;returns:  ; "response^" PROMPT(BPSPROM,BPSDFVL) ;  N BPRET,DIR,X,Y,DIRUT  S BPRET="^"  S DIR(0)="F^::2",DIR("A")=BPSPROM  I $L($G(BPSDFVL))>0 S DIR("B")=$G(BPSDFVL)  D ^DIR I $D(DIRUT) Q "^"  S $P(BPRET,U)=Y  Q BPRET  ;  ;/\*\*  ;check and process user input  ;input:  ; BPLINE - input string  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP1 - temporary global (VALMAR)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index CHECKLN(BPLINE,BPTYPE,BPTMP1) ;\*/  N BPX,BPPATIND,BPCLMIND  N BPDFN,BPSINSUR,BP59,BP1LN  I BPLINE="^" Q 0  S BPPATIND=+$P(BPLINE,".")  I '$D(@BPTMP1@("LMIND",BPPATIND)) Q -1 ;the patient level doesn't exist  S BPCLMIND=+$P(BPLINE,".",2)  I BPTYPE="P",BPCLMIND>0 Q -2 ;P was requested but claim portion was provided  I BPTYPE="C",BPCLMIND=0 Q -3 ;C was requested but claim portion was not provided  I '$D(@BPTMP1@("LMIND",BPPATIND,BPCLMIND)) Q -4 ;the claim level doesn't exist  S BPDFN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,0))  I +BPDFN=0 Q -5 ;error  S BPSINSUR=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,""))  I BPSINSUR="" Q -6 ;error  ;if fractional part was entered  I BPCLMIND>0 D  I +BP59=0 Q -7 ;error  . S BP59=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,0))  I BPCLMIND=0 S BP59=0  S BP1LN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,BP59,0))  I +BP1LN=0 Q -7 ;error  Q "1"\_U\_BPDFN\_U\_BPSINSUR\_U\_BP59\_U\_BP1LN\_U\_BPPATIND\_U\_BPCLMIND  ;  ;  ;BPTMP = VALMAR  ;input:  ; BPROMPT - prompt text  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP - temporary global (like VALMAR)  ; BPARRLN2 - to return results  ;output :  ; 1 if okay  ; -1 -invalid format  ; ^ - quit  ; BPARRLN2 - Array(B59)="line# in VALM"^"PatientIndex.ClaimIndex"  ;example:  ; BPARR(30045.00001)=134^2.34 ASKLINES(BPROMPT,BPTYPE,BPARRLN2,BPTMP) ;  N BPQ,BPXLN,BPN,BPLN,BPZ  N BPL,BPCLM,BPDFLT  N BPARRLN1,BPX1  ;  ; Attempt to determine default  S BPDFLT=$$DEFAULT(BPTYPE,BPTMP)  ;  S BPSPROM="Select item(s)"  S BPLN=$$PROMPT(BPSPROM,BPDFLT)  I BPLN="^" Q "^"  S BPLN=$P(BPLN,U)  S BPQ=0  F BPN=1:1 S BPX1=$P(BPLN,",",BPN) Q:$L(BPX1)=0 D  Q:BPQ'=0  . S BPZ=$$MKINDEXS(BPX1,BPTMP,.BPARRLN1)  . I BPZ<1 S BPQ=-1  . I (BPZ=-1)!(BPZ=-2) W !,"Invalid format.",!  . I (BPZ=-3) W !,"Not a valid selection.",!  Q:BPQ=-1 -1  ;  N BPPAT,BPCLM  S BPPAT=0 F  S BPPAT=$O(BPARRLN1(BPPAT)) Q:BPPAT=""  D  . S BPCLM=0 F  S BPCLM=$O(BPARRLN1(BPPAT,BPCLM)) Q:BPCLM=""  D  . . S BP1=$G(BPARRLN1(BPPAT,BPCLM))  . . Q:$L(BP1)=0  . . S BPARRLN2(+$P(BP1,U,4))=+$P(BP1,U,5)\_U\_BPPAT\_"."\_BPCLM  Q 1  ;  ;/\*\*  ;checks for dashes and if so then create a number of indexes for the range  ;i.e. convert all "1.2-2.3" to "1.2,1.3,1.4,2.1,2.2,2.3"  ;AND create entries in BPARR for all "right" indexes  ;input:  ;BPVAL - value to check (exmpl: "1.2-2.4")  ;BPTMP1 - global ref with data (exmpl: VALMAR)  ;BPARR - array with parsed line indexes   ;output:  ;Exmpl:  ; BPARR(1.2)=""  ; BPARR(1.3)=""  ; ...  ; returns:  ; 1 - okay  ; <0 invalid format  MKINDEXS(BPVAL,BPTMP1,BPARR) ;  N BPFR,BPTO,BPQ,BPRET  N BPPAT,BPCLM,BPCLSTRT,BPCLEND,BPQ2  N BPFRPAT,BPTOPAT,BPFRCLM,BPTOCLM,BP1  S BPQ=0  S BPRET=1  I BPVAL'["-" D  Q BPRET  . S BPPAT=$P(BPVAL,".",1)  . I BPPAT'=+BPPAT S BPRET=-1 Q  ;invalid format, patient part is not numeric  . S BPCLM=$P(BPVAL,".",2)  . ;if only patient index  . I $L(BPCLM)=0 D  Q  . . S BPQ2=0  . . F BPCLM=1:1 D  Q:BPQ2'=0  . . . ;quit if there are no more claims for the patient  . . . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . . . I BP1<1 S BPQ2=1 Q  . . . S BPARR(+BPPAT,+BPCLM)=BP1  . ;if only patient+claim index  . I BPCLM'=+BPCLM S BPRET=-2 Q  ;invalid format, claim portion is not numeric  . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . I BP1<1 S BPRET=-3 Q  ;not found  . S BPARR(+BPPAT,+BPCLM)=BP1  ;\*\*\*\*\*\*\*\*\* if contains "-"  S BPFR=$P(BPVAL,"-",1)  S BPTO=$P(BPVAL,"-",2)  I BPTO["-" Q -3 ;invalid format (to many dashes)  S BPFRPAT=$P(BPFR,".",1)  S BPTOPAT=$P(BPTO,".",1)  S BPFRCLM=$P(BPFR,".",2)  I $L(BPFRCLM)=0 S BPFRCLM=1  S BPTOCLM=$P(BPTO,".",2)  I $L(BPTOCLM)=0 S BPTOCLM=999999  I BPFRPAT'=+BPFRPAT Q -1 ;invalid format, patient part is not numeric  I BPTOPAT'=+BPTOPAT Q -1 ;invalid format, patient part is not numeric  I BPFRCLM'=+BPFRCLM Q -2 ;invalid format, claim portion is not numeric  I BPTOCLM'=+BPTOCLM Q -2 ;invalid format, claim portion is not numeric  F BPPAT=BPFRPAT:1:BPTOPAT D  . I BPPAT=BPFRPAT S BPCLSTRT=BPFRCLM  . E  S BPCLSTRT=1  . I BPPAT=BPTOPAT S BPCLEND=BPTOCLM  . E  S BPCLEND=999999  . S BPQ2=0  . F BPCLM=BPCLSTRT:1:BPCLEND D  Q:BPQ2'=0  . . ;quit if there are no more claims for the patient  . . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . . I BP1<1 S BPQ2=1 Q  . . S BPARR(+BPPAT,+BPCLM)=BP1  Q 1  ;  ; DEFAULT will return a value to be used as the default at the  ; Select Item prompt if there is only one item on the list. If the  ; user must enter a patient-level item (BPTYPE of "P"), the the  ; patient number will be returned if only one. Otherwise the claim  ; number will be returned if only one patient and one claim.  ; Input: BPTYPE - P if user should enter a Patient  ; C if user should enter a Claim  ; PC if user may enter either  ; BPLIST - temporary global (VALMAR)  ; Output: $$DEFAULT - Either a patient number, or a claim number,  ; or <blank> if neither could be defaulted DEFAULT(BPTYPE,BPLIST) ; Determine default item number - BPS\*1.0\*21  N BPSCLAIM,BPSPATIENT  S BPSPATIENT=$O(@BPLIST@("LMIND",0))  I $O(@BPLIST@("LMIND",BPSPATIENT))'="" Q "" ; if not one patient, Quit ""  I BPTYPE="P" Q BPSPATIENT ; if BPTYPE is P(atient), then Quit with the patient  S BPSCLAIM=$O(@BPLIST@("LMIND",BPSPATIENT,0))  I $O(@BPLIST@("LMIND",BPSPATIENT,BPSCLAIM))'="" Q "" ; if not one claim, Quit ""  Q BPSPATIENT\_"."\_BPSCLAIM  ; | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| BPSSCRU4 ;BHAM ISC/SS - ECME SCREEN UTILITIES ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,3,21,24\*\*;JUN 2004;Build 28  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  Q  ;  ;repeatedly prompts the user for line#  ;the user should "^" to quit or enter a correct line #  ;input:  ; BPROMPT - prompt string  ; BPTYPE expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPERRMES - optional - the message to display when the user  ; tries to make multi line selection  ; BPDFLT - default value for the prompt (optional)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index ASKLINE(BPROMPT,BPTYPE,BPERRMES,BPDFLT) ;  N BPRET,BPCNT  S BPRET="",BPCNT=0  F  S BPRET=$$SELLINE(BPROMPT,BPTYPE,VALMAR,$G(BPDFLT)) Q:BPRET'<0 D  . ;D RE^VALM4  . ;  . I BPCNT<1 S BPCNT=BPCNT+1 W !  . E  S BPCNT=0 D RE^VALM4  . I BPRET=-1 W " - Invalid line number" ; (invalid Patient summary line)"  . I BPRET=-8 W " - ",$S($G(BPERRMES)]"":BPERRMES,1:" Invalid line number")  . I BPRET=-4 W " - Invalid line number" ; (invalid RX line)"  . I BPRET=-2 W " - Please select Patient's summary line."  . I BPRET=-3 W " - Please specify RX line."  . I BPRET<-4 W " - Incorrect format." ; Corrupted array (",BPRET,")"  Q BPRET  ;/\*\*  ;prompts the user for line# for various menu option of the User Screen  ;input:  ; BPROMPT - prompt string  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP1 - temporary global (VALMAR)  ; BPDFLT - default value for the prompt (optional)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index SELLINE(BPROMPT,BPTYPE,BPTMP1,BPDFLT) ;\*/  N BPX,BPLINE,BPPATIND,BPCLMIND  N BPDFN,BPSINSUR,BP59,BP1LN  ;  ; Attempt to determine default if none passed in  I '$G(BPDFLT) S BPDFLT=$$DEFAULT(BPTYPE,BPTMP1)  ;  S BPLINE=$$PROMPT(BPROMPT,$G(BPDFLT))  I BPLINE="^" Q 0  S BPPATIND=+$P(BPLINE,".")  I (BPLINE["-")!(BPLINE[",") Q -8 ;multiple line input in not allowed  I '$D(@BPTMP1@("LMIND",BPPATIND)) Q -1 ;the patient level doesn't exist  S BPCLMIND=+$P(BPLINE,".",2)  I BPTYPE="P",BPCLMIND>0 Q -2 ;P was requested but claim portion was provided  I BPTYPE="C",BPCLMIND=0 Q -3 ;C was requested but claim portion was not provided  I '$D(@BPTMP1@("LMIND",BPPATIND,BPCLMIND)) Q -4 ;the claim level doesn't exist  S BPDFN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,0))  I +BPDFN=0 Q -5 ;error  S BPSINSUR=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,""))  I BPSINSUR="" Q -6 ;error  ;if fractional part was entered  I BPCLMIND>0 D  I +BP59=0 Q -7 ;error  . S BP59=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,0))  I BPCLMIND=0 S BP59=0  S BP1LN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,BP59,0))  I +BP1LN=0 Q -7 ;error  Q "1"\_U\_BPDFN\_U\_BPSINSUR\_U\_BP59\_U\_BP1LN\_U\_BPPATIND\_U\_BPCLMIND  ;  ;input:  ;BPSPROM - prompt text  ;BPSDFVL - default value (optional)  ;BPTMP - temporary global (like VALMAR) (optional)  ;returns:  ; "response^" PROMPT(BPSPROM,BPSDFVL,BPTMP) ;  N BPRET,DIR,X,Y,DIRUT  S BPRET="^"  S DIR(0)="F^::2",DIR("A")=BPSPROM  I $L($G(BPSDFVL))>0 S DIR("B")=$G(BPSDFVL)  ;  I $G(BPTMP)["""BPSREOP""" D  . S DIR("?",1)="Answer with a single item or multiple items in the following format:"  . S DIR("?",2)=" 1.1,1.2,1.3"  . S DIR("?",3)=" 1.1-1.3"  . S DIR("?")=" 1.1-1.2,1.3"  ;  D ^DIR I $D(DIRUT) Q "^"  S $P(BPRET,U)=Y  Q BPRET  ;  ;/\*\*  ;check and process user input  ;input:  ; BPLINE - input string  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP1 - temporary global (VALMAR)  ;output:  ; piece 1:   ; 1 - okay  ; <0 - errors  ; 0 - user wants to quit  ; piece 2: patient ien #2  ; piece 3: insurance ien #36  ; piece 4: ptr to #9002313.59  ; piece 5: 1st line for index(es) in LM "VALM" array  ; piece 6: patient's index  ; piece 7: claim's index CHECKLN(BPLINE,BPTYPE,BPTMP1) ;\*/  N BPX,BPPATIND,BPCLMIND  N BPDFN,BPSINSUR,BP59,BP1LN  I BPLINE="^" Q 0  S BPPATIND=+$P(BPLINE,".")  I '$D(@BPTMP1@("LMIND",BPPATIND)) Q -1 ;the patient level doesn't exist  S BPCLMIND=+$P(BPLINE,".",2)  I BPTYPE="P",BPCLMIND>0 Q -2 ;P was requested but claim portion was provided  I BPTYPE="C",BPCLMIND=0 Q -3 ;C was requested but claim portion was not provided  I '$D(@BPTMP1@("LMIND",BPPATIND,BPCLMIND)) Q -4 ;the claim level doesn't exist  S BPDFN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,0))  I +BPDFN=0 Q -5 ;error  S BPSINSUR=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,""))  I BPSINSUR="" Q -6 ;error  ;if fractional part was entered  I BPCLMIND>0 D  I +BP59=0 Q -7 ;error  . S BP59=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,0))  I BPCLMIND=0 S BP59=0  S BP1LN=$O(@BPTMP1@("LMIND",BPPATIND,BPCLMIND,BPDFN,BPSINSUR,BP59,0))  I +BP1LN=0 Q -7 ;error  Q "1"\_U\_BPDFN\_U\_BPSINSUR\_U\_BP59\_U\_BP1LN\_U\_BPPATIND\_U\_BPCLMIND  ;  ;  ;BPTMP = VALMAR  ;input:  ; BPROMPT - prompt text  ; BPTYPE - expected user's selection on level   ; of P-patient or C-claim or PC - both  ; BPTMP - temporary global (like VALMAR)  ; BPARRLN2 - to return results  ;output :  ; 1 if okay  ; -1 -invalid format  ; ^ - quit  ; BPARRLN2 - Array(B59)="line# in VALM"^"PatientIndex.ClaimIndex"  ;example:  ; BPARR(30045.00001)=134^2.34 ASKLINES(BPROMPT,BPTYPE,BPARRLN2,BPTMP) ;  N BPQ,BPXLN,BPN,BPLN,BPZ  N BPL,BPCLM,BPDFLT  N BPARRLN1,BPX1  ;  ; Attempt to determine default  S BPDFLT=$$DEFAULT(BPTYPE,BPTMP)  ;  S BPSPROM="Select item(s)"  S BPLN=$$PROMPT(BPSPROM,BPDFLT,BPTMP)  I BPLN="^" Q "^"  S BPLN=$P(BPLN,U)  S BPQ=0  F BPN=1:1 S BPX1=$P(BPLN,",",BPN) Q:$L(BPX1)=0 D  Q:BPQ'=0  . S BPZ=$$MKINDEXS(BPX1,BPTMP,.BPARRLN1)  . I BPZ<1 S BPQ=-1  . I (BPZ=-1)!(BPZ=-2) W !,"Invalid format.",!  . I (BPZ=-3) W !,"Not a valid selection.",!  Q:BPQ=-1 -1  ;  N BPPAT,BPCLM  S BPPAT=0 F  S BPPAT=$O(BPARRLN1(BPPAT)) Q:BPPAT=""  D  . S BPCLM=0 F  S BPCLM=$O(BPARRLN1(BPPAT,BPCLM)) Q:BPCLM=""  D  . . S BP1=$G(BPARRLN1(BPPAT,BPCLM))  . . Q:$L(BP1)=0  . . S BPARRLN2(+$P(BP1,U,4))=+$P(BP1,U,5)\_U\_BPPAT\_"."\_BPCLM  Q 1  ;  ;/\*\*  ;checks for dashes and if so then create a number of indexes for the range  ;i.e. convert all "1.2-2.3" to "1.2,1.3,1.4,2.1,2.2,2.3"  ;AND create entries in BPARR for all "right" indexes  ;input:  ;BPVAL - value to check (exmpl: "1.2-2.4")  ;BPTMP1 - global ref with data (exmpl: VALMAR)  ;BPARR - array with parsed line indexes   ;output:  ;Exmpl:  ; BPARR(1.2)=""  ; BPARR(1.3)=""  ; ...  ; returns:  ; 1 - okay  ; <0 invalid format  MKINDEXS(BPVAL,BPTMP1,BPARR) ;  N BPFR,BPTO,BPQ,BPRET  N BPPAT,BPCLM,BPCLSTRT,BPCLEND,BPQ2  N BPFRPAT,BPTOPAT,BPFRCLM,BPTOCLM,BP1  S BPQ=0  S BPRET=1  I BPVAL'["-" D  Q BPRET  . S BPPAT=$P(BPVAL,".",1)  . I BPPAT'=+BPPAT S BPRET=-1 Q  ;invalid format, patient part is not numeric  . S BPCLM=$P(BPVAL,".",2)  . ;if only patient index  . I $L(BPCLM)=0 D  Q  . . S BPQ2=0  . . F BPCLM=1:1 D  Q:BPQ2'=0  . . . ;quit if there are no more claims for the patient  . . . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . . . I BP1<1 S BPQ2=1 Q  . . . S BPARR(+BPPAT,+BPCLM)=BP1  . ;if only patient+claim index  . I BPCLM'=+BPCLM S BPRET=-2 Q  ;invalid format, claim portion is not numeric  . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . I BP1<1 S BPRET=-3 Q  ;not found  . S BPARR(+BPPAT,+BPCLM)=BP1  ;\*\*\*\*\*\*\*\*\* if contains "-"  S BPFR=$P(BPVAL,"-",1)  S BPTO=$P(BPVAL,"-",2)  I BPTO["-" Q -3 ;invalid format (to many dashes)  S BPFRPAT=$P(BPFR,".",1)  S BPTOPAT=$P(BPTO,".",1)  S BPFRCLM=$P(BPFR,".",2)  I $L(BPFRCLM)=0 S BPFRCLM=1  S BPTOCLM=$P(BPTO,".",2)  I $L(BPTOCLM)=0 S BPTOCLM=999999  I BPFRPAT'=+BPFRPAT Q -1 ;invalid format, patient part is not numeric  I BPTOPAT'=+BPTOPAT Q -1 ;invalid format, patient part is not numeric  I BPFRCLM'=+BPFRCLM Q -2 ;invalid format, claim portion is not numeric  I BPTOCLM'=+BPTOCLM Q -2 ;invalid format, claim portion is not numeric  F BPPAT=BPFRPAT:1:BPTOPAT D  . I BPPAT=BPFRPAT S BPCLSTRT=BPFRCLM  . E  S BPCLSTRT=1  . I BPPAT=BPTOPAT S BPCLEND=BPTOCLM  . E  S BPCLEND=999999  . S BPQ2=0  . F BPCLM=BPCLSTRT:1:BPCLEND D  Q:BPQ2'=0  . . ;quit if there are no more claims for the patient  . . S BP1=$$CHECKLN(BPPAT\_"."\_BPCLM,"C",BPTMP1)  . . I BP1<1 S BPQ2=1 Q  . . S BPARR(+BPPAT,+BPCLM)=BP1  Q 1  ;  ; DEFAULT will return a value to be used as the default at the  ; Select Item prompt if there is only one item on the list. If the  ; user must enter a patient-level item (BPTYPE of "P"), the the  ; patient number will be returned if only one. Otherwise the claim  ; number will be returned if only one patient and one claim.  ; Input: BPTYPE - P if user should enter a Patient  ; C if user should enter a Claim  ; PC if user may enter either  ; BPLIST - temporary global (VALMAR)  ; Output: $$DEFAULT - Either a patient number, or a claim number,  ; or <blank> if neither could be defaulted DEFAULT(BPTYPE,BPLIST) ; Determine default item number - BPS\*1.0\*21  N BPSCLAIM,BPSPATIENT  S BPSPATIENT=$O(@BPLIST@("LMIND",0))  I $O(@BPLIST@("LMIND",BPSPATIENT))'="" Q "" ; if not one patient, Quit ""  I BPTYPE="P" Q BPSPATIENT ; if BPTYPE is P(atient), then Quit with the patient  S BPSCLAIM=$O(@BPLIST@("LMIND",BPSPATIENT,0))  I $O(@BPLIST@("LMIND",BPSPATIENT,BPSCLAIM))'="" Q "" ; if not one claim, Quit ""  Q BPSPATIENT\_"."\_BPSCLAIM  ; | | | | |

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) |  | | | | | | | |
| 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.  ;  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: ROC  Sequence: 1 |
| **Action** | Add Action: BPS PRTCL USRSCR RESUBMIT  Mnemonic: RES  Sequence: 2 |