**MCCF EDI TAS US20**

Design Document



Department of Veterans Affairs

**April 2017**

Version 2.01

**User Story Number:** US20

**User Story Name:** Prevent OPECC entry of Submission Clarification Code for RTS/DUR and rejects pending on Pharmacist’s Worklist.

**Product Backlog ID:** 187

**Backlog Priority:** Medium

**Initial Sizing Estimate:**

**Rational ID:** (MCCF EDI TAS Rational ID TBD)

**Rally ID:**

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# Design – Summary

The ECME User Screen is managed mostly by the routines ^BPSRES\*. The subroutine PROMPTS^BPSRES allows the user to enter or modify one or more Submission Clarification Codes.

PROMPTS^BPSRES will be modified to first perform several checks to determine whether the user should be permitted to enter/edit Submission Clarification Codes. If enter/edit is to be disallowed, then the software will display the Submission Clarification Codes already on file, if any, and then display a message telling the user that enter/edit is not permitted.

# Design – Detail

| Subroutine Name | **PROMPTS^BPSRES** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | USRX-4 | | | | | | | | |
| Related Options | ECME User Screen | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| DOSELCTD^BPSRES | | | | | NOW^%DTC, $$RELDATE^BPSBCKJ, $$PROMPTS^BPSPRRX3, $$PRIMDATA^BPSPRRX6, $$SECDATA^BPSPRRX6, $$YESNO^BPSSCRRS, $$PAYBLPRI^BPSUTIL2, ^DIC, UPDATE^DIE, ^DIR,GET1^DIQ | | | |
| Data Dictionary (DD) References | File #9002313.25, BPS NCPDP CLARIFICATION CODES | | | | | | | | |
| Related Protocols |  | | | | | | | | |
| Related Integration Control Registrations (ICRs) | There are no ICRs governing the use of this subroutine by other packages. | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name: BP59  Definition: Internal transaction#, pointer to BPS TRANSACTION file  New  Modify  Delete  No Change  Name: BP02  Definition: Internal claim#, pointer to BPS CLAIMS file  New  Modify  Delete  No Change  Name: BPRXIEN  Definition: Internal prescription#, pointer to PRESCRIPTION file  New  Modify  Delete  No Change  Name: BPRXR  Definition: Fill# (0 for original, 1 for first refill, etc.)  New  Modify  Delete  No Change  Name: BPCOB  Definition: Payer sequence (1 for primary, 2 for secondary, etc.)  New  Modify  Delete  No Change  Name: BPDOSDT  Definition: Date of service  New  Modify  Delete  No Change  Name: BPSECOND  Definition: Array of COB data  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name: $$PROMPTS  Definition: ‘-1’ if user opts to quit, <blank> otherwise  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| BPSRES ;BHAM ISC/BEE - ECME SCREEN RESUBMIT W/EDITS ;3/12/08 14:01  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3,5,7,8,10,11,20\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;  ; Reference to $$RXRLDT^PSOBPSUT supported by DBIA 4701  ; Reference to $$RXFLDT^PSOBPSUT supported by DBIA 4701  ;  ...  PROMPTS(BP59,BP02,BPRXIEN,BPRXR,BPCOB,BPSDOSDT,BPSECOND) ;  N %,BP300,BP35401,BPCLCD1,BPCLCD2,BPCLCD3,BPFDA,BPFLD,BPOVRIEN,BPMED,BPMSG,BPPSNCD  N BPPREAUT,BPPRETYP,BPQ,BPRELCD,DIC,DIR,DIROUT,DTOUT,DUOUT,X,Y,DIRUT,DUP  ...  ;  ;Submission Clarification Code 1  S DIC("B")=BPCLCD1  S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 1: "  D ^DIC  ;Check for "^" or timeout  I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y G XPROMPTS  S BPCLCD1=$P(Y,U,2)  K X,DIC,Y  ;  ;Submission Clarification Code 2  I +BPCLCD2 S BPCLCD2=+BPCLCD2 S DIC("B")=BPCLCD2  S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 2: ",DUP=0  F D Q:BPQ=-1 Q:'DUP  . D ^DIC  . ;Check for "^" or timeout  . I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y Q  . S BPCLCD2=$P(Y,U,2)  . S DUP=0 I BPCLCD2=BPCLCD1 S BPCLCD2="" W !," Duplicates not allowed" S DUP=1  K X,DIC,Y  I BPQ=-1 G XPROMPTS  ;  ;Submission Clarification Code 3  I BPCLCD2'="" D I BPQ=-1 G XPROMPTS  . I +BPCLCD3 S BPCLCD3=+BPCLCD3 S DIC("B")=BPCLCD3  . S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 3: ",DUP=0  . F D Q:'DUP I BPQ=-1 Q  .. D ^DIC  .. ;Check for "^" or timeout  .. I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y Q  .. S BPCLCD3=$P(Y,U,2)  .. S DUP=0 I BPCLCD3=BPCLCD1!(BPCLCD3=BPCLCD2) S BPCLCD3="" W !," Duplicates not allowed" S DUP=1  . K X,DIC,Y  ;  ... | | | | | | | | | |
| Modified Logic (Changes are Highlighted) | | | | | | | | | |
| BPSRES ;BHAM ISC/BEE - ECME SCREEN RESUBMIT W/EDITS ;3/12/08 14:01  ;;1.0;E CLAIMS MGMT ENGINE;\*\*3,5,7,8,10,11,20,21\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;  ; Reference to $$RXRLDT^PSOBPSUT supported by DBIA 4701  ; Reference to $$RXFLDT^PSOBPSUT supported by DBIA 4701  ; Reference to $$FIND^PSOREJUT supported by DBIA 4706   ;  ...  PROMPTS(BP59,BP02,BPRXIEN,BPRXR,BPCOB,BPSDOSDT,BPSECOND) ;  N %,BP300,BP35401,BPCLCD1,BPCLCD2,BPCLCD3,BPFDA,BPFLD,BPOVRIEN,BPMED,BPMSG,BPPSNCD  N BPPREAUT,BPPRETYP,BPQ,BPRELCD,DIC,DIR,DIROUT,DTOUT,DUOUT,X,Y,DIRUT,DUP  N BPCLCDN,BPCLCDX,BPSX  ...  ;  ; If there is a pending reject on the Pharmacists Worklist, or if the most  ; recent claim is a resolved or unresolved reject 79 or 88, then only display  ; Submission Clarification Codes and do not allow enter/edit. (BPS\*1\*21)  ;  I $$BPSKIP(BPRXIEN,BPRXR) D G P1  . F BP35401=1:1:3 I @(“BPCLCD”\_BP35401) D  . . S BPSX=+@(“BPCLCD”\_BP35401)  . . W !,“Submission Clarification Code ”,BP35401,“: ”,BPSX  . . S BPCLCDX=$O(^BPS(9002313.25,”B”,BPSX,””)),BPCLCDN=$P(BPS(9002313.25,BPCLCDX,0),U,2)  . . W ?44,BPCLCDN  . . Q  . W !,“ \*\*OPECC cannot edit Sub. Clar. Code field for this reject - refer to Pharmacist”  . Q  ;Submission Clarification Code 1  S DIC("B")=BPCLCD1  S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 1: "  D ^DIC  ;Check for "^" or timeout  I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y G XPROMPTS  S BPCLCD1=$P(Y,U,2)  K X,DIC,Y  ;  ;Submission Clarification Code 2  I +BPCLCD2 S BPCLCD2=+BPCLCD2 S DIC("B")=BPCLCD2  S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 2: ",DUP=0  F D Q:BPQ=-1 Q:'DUP  . D ^DIC  . ;Check for "^" or timeout  . I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y Q  . S BPCLCD2=$P(Y,U,2)  . S DUP=0 I BPCLCD2=BPCLCD1 S BPCLCD2="" W !," Duplicates not allowed" S DUP=1 K X,DIC,Y  I BPQ=-1 G XPROMPTS  ;  ;Submission Clarification Code 3  I BPCLCD2'="" D I BPQ=-1 G XPROMPTS  . I +BPCLCD3 S BPCLCD3=+BPCLCD3 S DIC("B")=BPCLCD3  . S DIC(0)="QEAM",DIC=9002313.25,DIC("A")="Submission Clarification Code 3: ",DUP=0  . F D Q:'DUP I BPQ=-1 Q  . . D ^DIC  . . ;Check for "^" or timeout  . . I ($D(DUOUT))!($D(DTOUT)) S BPQ=-1 K X,DIC,Y Q  . . S BPCLCD3=$P(Y,U,2)  . . S DUP=0 I BPCLCD3=BPCLCD1!(BPCLCD3=BPCLCD2) S BPCLCD3="" W !," Duplicates not allowed" SDUP=1  . K X,DIC,Y  ;  P1 ;  ... | | | | | | | | | |

BPSKIP^BPSRES is being added to determine whether or not the user should be permitted to enter/edit Submission Clarification Codes.

| Subroutine Name | **BPSKIP^BPSRES** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | USRX-04 | | | | | | | | |
| Related Options | ECME User Screen | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| PROMPTS^BPSRES | | | | | FIND^PSOREJUT,  GET1^DIQ | | | |
| Data Dictionary (DD) References | File #52.25, REJECT INFO SUB-FILE  File #52.3, ACTIVITY LOG SUB-FILE | | | | | | | | |
| Related Protocols |  | | | | | | | | |
| Related Integration Control Registrations (ICRs) | There are no ICRs governing the use of this sub-routine by other packages.  This design calls for the addition of a call to $$FIND^PSOREJUT, which is supported by ICR #4706. | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name: BPSRX  Definition: Prescription IEN (#52)  New  Modify  Delete  No Change  Name: BPSFILL  Definition: Fill# (0 for original, 1 for first refill, etc.)  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name: $$BPSKIP  Definition: ‘1’ if the enter/edit of Submission Clarification Codes should be skipped, otherwise ‘0’ to allow the enter/edit of those codes.  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A | | | | | | | | | |
| Modified Logic (Changes are Highlighted) | | | | | | | | | |
| BPSKIP(BPSRX,BPSFILL) ; Determine whether to skip the enter/edit of Submission Clarification Codes  ; This function will return a '1' if the enter/edit of Submission   ; Clarification Codes should be skipped (not allowed).   ;   N BPS7988DATE,BPSACTIVITY,BPSECMEDATE,BPSREJECT,BPSX   ;   ; If any open/unresolved claims are on the pharmacist worklist, Quit with 1.   ;   I $$FIND^PSOREJUT(BPSRX,BPSFILL) Q 1   ;   ; If there are any closed/resolved 79/88 rejects for this Rx/Fill,  ; pull the latest detected date/time.  ; If there has not been any ECME activity since that date/time, then   ; disallow the edit of Submission Clarification Codes, Quit with 1.  ;   S BPS7988DATE=0   ;   ; Loop through the REJECTS multiple.   S BPSREJECT=0   F  S BPSREJECT=$O(^PSRX(BPSRX,”REJ”,BPSREJECT)) Q:’BPSREJECT  D   . ; If a reject is not for the current fill, skip this one.   . I $$GET1^DIQ(52.25,BPSREJECT\_","\_BPSRX,5)'=BPSFILL Q   . ;   . ;  . ; If not a 79 or 88, skip this one.  . I ",79,88,"'[(","\_$$GET1^DIQ(52.25,BPSREJECT\_","\_BPSRX,.01)\_",") Q  . ;   . ; Pull DATE/TIME DETECTED. If the date/time is later than  . ; BPS7988DATE, then reset BPS7988DATE to that date/time.   . S BPSX=$$GET1^DIQ(52.25,BPSREJECT\_","\_BPSRX,1,"I")   . I BPSX>BPS7988DATE S BPS7988DATE=BPSX   . Q   ;   ;  ; If <blank> then there are no closed/resolved 79/88 rejects; Quit with 0.   I BPS7988DATE=0 Q 0  ;  ; Once we have the most recent DATE/TIME DETECTED, determine whether  ; there is ECME activity later than that.  ;   ;  ; Loop through entries in the ACTIVITY LOG multiple.  S (BPSX,BPSACTIVITY,BPSECMEDATE)=0  F  S BPSACTIVITY=$O(^PSRX(BPSRX,”A”,BPSACTIVITY)) Q:’BPSACTIVITY  D  . ; If the REASON is not "M" (=ECME), skip.   . I $$GET1^DIQ(52.3,BPSACTIVITY\_","\_BPSRX,.02,"I")'="M" Q  . ;  . ; Pull the date/time stamp from the activity log entry. If later  . ; than what we found so far, update BPSECMEDATE.  . S BPSX=$$GET1^DIQ(52.3,BPSACTIVITY\_",",BPSRX,.01,"I")  . I BPSX>BPSECMEDATE S BPSECMEDATE=BPSX  . Q  ;  ; If the BPSECMEDATE is later than BPS7988DATE, then Quit with 0   ; to allow the edit of Submission Clarification Codes. Otherwise   ; Quit with 1 to skip, not allow, the enter/edit of those codes.  ; When a claim is rejected, the time stamp on the Activity Log may  ; be a second or two later than the time stamp on the Reject.  ; Therefore, we add 60 seconds to the time stamp on the reject when  ; making this comparison.   ;   I BPSECMEDATE>(BPS7988DATE+.00006) Q 0   Q 1   ; | | | | | | | | | |

# Back Out/Rollback Procedure

This story includes modifications to an existing routine. To back out this enhancement, the routine which is a part of this patch should be backed up prior to installation. Reverting to the previous version of this routine would back out this enhancement. Alternatively, the previous version of these routine could be distributed via an emergency patch.