**MCCF EDI TAS US1441**

System Design Document



Department of Veterans Affairs

**September 2017**

Version 1.02

**User Story Number:** USRX-198

**User Story Name:** Prevent Processing Filling of RTS DUR RRR Prescriptions

**Product Backlog ID:** 198

**Backlog Priority:** 4

**Initial Sizing Estimate:**

**Rational ID:**

**Rally ID:** US1441

**Epic Taxonomy:** Update

# Design – Summary

The ECME Developers Log needs to be enhanced to allow for better troubleshooting when future label issues are identified. The ECME Claim Status, Menu option and action, and any Open Rejects on Third Party Payer Rejects Worklist will be captured and added to the Developers Log at the time a label is printed. This information will be obtained when a label is printed for the following Menu option and actions.

* Medication Profile Screen, pick Rx
  + ED Edit
  + PP Pull Rx (OP)
* Worklist, pick Rx
  + RES Resubmit Claim
  + OVR Submit Override Codes
  + CLA Submit Clarif. Code
  + ED Edit Rx
  + PA Submit Prior Auth.
  + SMA Submit Mutli. Actions
* Stand-alone options
  + EDIT PRESCRIPTIONS [PSO RXEDIT]
  + PULL EARLY FROM SUSPENSE [PSO PNDRX]

List of Components:

* Routine: PSOLBLN

# Design – Detail

A new subroutine will be created in order to capture information that will be added to the Developers Log.

| Subroutine Name | **LOGLBL^PSOLBLN** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US1441 | | | | | | | |
| Related Menu Options or ListMan Actions | Medication Profile and Worklist Actions | | | | | | | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| REP^PSOLBLN,  QLBL^PSORXL,  BEG^PSOSUPRX | | | | LOG^BPSOSL,  $$IEN59^BPSOSRX,  $$GET1^DIQ,  $$FIND^PSOREJUT | | | |
| Related Integration Control Registrations (ICRs) | ICR #4412 – reference to IEN59^BPSOSRX  ICR #6764 – reference to LOG^BPSOSL | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: PSORX  Definition: IEN to the Prescription file  New  Modify  Delete  No Change  Name: PSORXF  Definition: Refill number of the Rx  New  Modify  Delete  No Change  Name: RESP  Definition: ECME Response Info, if defined the 4th piece will contain the ECME Status  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| PSOLBLN ;BIR/RTR - NEW PRINTS LABEL ;11/18/92  ;;7.0;OUTPATIENT PHARMACY;\*\*16,36,71,107,110,117,135,233,251,387,379,367,383,318,482\*\*;DEC 1997;Build 13  ;External reference to ^PSDRUG supported by DBIA 221  ;External reference to ^PS(55 supported by DBIA 2228  ;External reference to ^VA(200 supported by DBIA 224  ;External reference to ^SC( supported by DBIA 254  ;Reference to IEN59^BPSOSRX supported by ICR# 4412  ;Reference to LOG^BPSOSL supported by ICR# 6764  ;  . . .  LOGLBL(PSORX,PSORXF,PSORESP) ;  ;Input Parameters:  ; PSORX - IEN to the Prescription file  ; PSORXF - Refill number of the Rx  ; PSORESP - ECME Response Info, if defined the 4th piece will contain the ECME Status  ;  ; Log ECME Claim Status, Menu Option and Action, and whether or not there are  ; any Open Rejects, to the Developer's Log. If there are Open Rejects, log the  ; Code and date/time. This will help in troubleshooting when future label  ; issues are identified.  ;  N PSOCD,PSODT,PSOFND,PSOIEN59,PSOLOG,PSOORD,PSOREJDATA,PSORIEN,PSOSTAT  ;  ; If PSOIEN59 is not found Quit, it is required in order make an entry in  ; Developers Log.  S PSOIEN59=$$IEN59^BPSOSRX(PSORX,PSORXF)  I PSOIEN59="" Q  ;  S PSOSTAT=$P($G(PSORESP),U,4)  I PSOSTAT="" S PSOSTAT=$$STATUS^PSOBPSUT(PSORX,PSORXF)  D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-ECME Claim Status: "\_PSOSTAT) ; ICR #4412,6764  ;  I $D(XQY0) D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-Menu Option: "\_$P(XQY0,U)\_"-"\_$P(XQY0,U,2))  I $D(XQORNOD(0)) D  . S PSOORD=$P(XQORNOD(0),U,2)  . S PSOLOG=$$GET1^DIQ(101,PSOORD,.01)\_"-"\_$$GET1^DIQ(101,PSOORD,1)  . I $$GET1^DIQ(101,PSOORD,44) S PSOLOG=PSOLOG\_"-"\_$$GET1^DIQ(101,PSOORD,44)  . D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-Action: "\_PSOLOG)  E  D  . D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-Action: Unavailable")  ;  ; Check for any Open Rejects on Third Party Payer Reject Worklist.  S PSOFND=$$FIND^PSOREJUT(PSORX,PSORXF,.PSOREJDATA)  ;  ; Log a message if no Open Rejects were found.  I 'PSOFND D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-Open Rejects: None on WL")  E  D  . ;   . ; If Open Rejects are found, log the Code and Date/Time for each reject.  . S PSORIEN=""  . F  S PSORIEN=$O(PSOREJDATA(PSORIEN)) Q:'PSORIEN  D  . . S PSOCD=PSOREJDATA(PSORIEN,"CODE"),PSODT=PSOREJDATA(PSORIEN,"DATE/TIME")  . . D LOG^BPSOSL(PSOIEN59,$T(+0)\_"-Open Rejects: "\_PSOCD\_", "\_PSODT)  ;  Q | | | | | | | | |

The subroutine REP^PSOLBLN at the time a label is printed. This subroutine is called by multiple actions within the Medication Profile and Worklist options as well as the stand alone options Edit Prescriptions [PSO RXEDIT] and Pull Early From Suspense [PSO PNDRX]. This subroutine will be modified to call LOGLBL^PSOLBLN in order to capture information that will be added to the Developers Log.

| Subroutine Name | **REP^PSOLBLN** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US1441 | | | | | | | |
| Related Menu Options or ListMan Actions | Medication Profile and Worklist Actions | | | | | | | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| Medication Profile and Worklist Actions | | | | NOW^%DTC,  $$CHKRX^PSOBAI, $$MGONFILE^PSOFDAUT, ALLWARN^PSOLBLN1,  ALL^PSOLBLS,  CHK2^PSOTRLBL,  TRAIL^PSOLBL2,  KILL^PSOLBL2,  LOGLBL | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| 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 | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| REP I COPIES>0 S SIDE=1 G ST  D NOW^%DTC S NOW=% K %,%H,%I I $G(RXF)="" S RXF=0 F I=0:0 S I=$O(^PSRX(RX,1,I)) Q:'I S RXF=I  S IR=0 F FDA=0:0 S FDA=$O(^PSRX(RX,"L",FDA)) Q:'FDA S IR=FDA  S IR=IR+1,^PSRX(RX,"L",0)="^52.032DA^"\_IR\_"^"\_IR  S ^PSRX(RX,"L",IR,0)=NOW\_"^"\_$S($G(RXP):99-RXPI,1:RXF)\_"^"\_$S($G(PCOMX)]"":$G(PCOMX),$G(PCOMH(RX))]"":PCOMH(RX),1:"From RX number "\_$P(^PSRX(RX,0),"^"))\_$S($G(RXP):" (Partial)",1:"")\_$S($G(REPRINT):" (Reprint)",1:"")\_"^"\_PDUZ  N PSOBADR,PSOTEMP  S PSOBADR=$$CHKRX^PSOBAI(RX)  I $G(PSOBADR) S PSOTEMP=$P(PSOBADR,"^",2),PSOBADR=$P(PSOBADR,"^")  I $G(PSOBADR),'$G(PSOTEMP) D  .S IR=IR+1,^PSRX(RX,"L",0)="^52.032DA^"\_IR\_"^"\_IR  .S ^PSRX(RX,"L",IR,0)=NOW\_"^"\_$S($G(RXP):99-RXPI,1:RXF)\_"^"\_"ROUTING="\_$G(MW)\_" (BAD ADDRESS)"\_"^"\_PDUZ  ;Storing FDA Medication Guide filename in the Prescription file  I $$MGONFILE^PSOFDAUT(RX) D  . I $G(RXRP(RX)),'$G(RXRP(RX,"MG")) Q  . S ^PSRX(RX,"L",IR,"FDA")=$P($$MGONFILE^PSOFDAUT(RX),"^",2)  S ^PSRX(RX,"TYPE")=0 K RXF,IR,FDA,NOW,I,PCOMH(RX)  I $G(WARN)'="" I $G(PSDFNFLG)!($G(PSOLAPPL)) D ALLWARN^PSOLBLN1  I $G(WARN)="" I $G(PSDFNFLG)!($G(PSOLAPPL)) D ALL^PSOLBLS  I $G(PSOBLALL) D:$G(WARN)="" ALL^PSOLBLS D:$G(WARN)'="" ALLWARN^PSOLBLN1  I '$D(PSSPND),$P(PSOPAR,"^",18) I $G(PSDFNFLG)!($G(PSOLAPPL))!($G(PSOBLALL)) D CHCK2^PSOTRLBL  D:$G(PSOBLALL) TRAIL^PSOLBL2  END ;  I $D(RXFLX(RX)) S RXFL(RX)=$G(RXFLX(RX)) K RXFLX  D KILL^PSOLBL2 Q | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| REP I COPIES>0 S SIDE=1 G ST  D NOW^%DTC S NOW=% K %,%H,%I I $G(RXF)="" S RXF=0 F I=0:0 S I=$O(^PSRX(RX,1,I)) Q:'I S RXF=I  S IR=0 F FDA=0:0 S FDA=$O(^PSRX(RX,"L",FDA)) Q:'FDA S IR=FDA  S IR=IR+1,^PSRX(RX,"L",0)="^52.032DA^"\_IR\_"^"\_IR  S ^PSRX(RX,"L",IR,0)=NOW\_"^"\_$S($G(RXP):99-RXPI,1:RXF)\_"^"\_$S($G(PCOMX)]"":$G(PCOMX),$G(PCOMH(RX))]"":PCOMH(RX),1:"From RX number "\_$P(^PSRX(RX,0),"^"))\_$S($G(RXP):" (Partial)",1:"")\_$S($G(REPRINT):" (Reprint)",1:"")\_"^"\_PDUZ  ;  ; Add info about the label being printed to the Developer’s Log.  D LOGLBL(RX,RXF,$G(RESP))  ;  N PSOBADR,PSOTEMP  S PSOBADR=$$CHKRX^PSOBAI(RX)  I $G(PSOBADR) S PSOTEMP=$P(PSOBADR,"^",2),PSOBADR=$P(PSOBADR,"^")  I $G(PSOBADR),'$G(PSOTEMP) D  .S IR=IR+1,^PSRX(RX,"L",0)="^52.032DA^"\_IR\_"^"\_IR  .S ^PSRX(RX,"L",IR,0)=NOW\_"^"\_$S($G(RXP):99-RXPI,1:RXF)\_"^"\_"ROUTING="\_$G(MW)\_" (BAD ADDRESS)"\_"^"\_PDUZ  ;Storing FDA Medication Guide filename in the Prescription file  I $$MGONFILE^PSOFDAUT(RX) D  . I $G(RXRP(RX)),'$G(RXRP(RX,"MG")) Q  . S ^PSRX(RX,"L",IR,"FDA")=$P($$MGONFILE^PSOFDAUT(RX),"^",2)  S ^PSRX(RX,"TYPE")=0 K RXF,IR,FDA,NOW,I,PCOMH(RX)  I $G(WARN)'="" I $G(PSDFNFLG)!($G(PSOLAPPL)) D ALLWARN^PSOLBLN1  I $G(WARN)="" I $G(PSDFNFLG)!($G(PSOLAPPL)) D ALL^PSOLBLS  I $G(PSOBLALL) D:$G(WARN)="" ALL^PSOLBLS D:$G(WARN)'="" ALLWARN^PSOLBLN1  I '$D(PSSPND),$P(PSOPAR,"^",18) I $G(PSDFNFLG)!($G(PSOLAPPL))!($G(PSOBLALL)) D CHCK2^PSOTRLBL  D:$G(PSOBLALL) TRAIL^PSOLBL2  END ;  I $D(RXFLX(RX)) S RXFL(RX)=$G(RXFLX(RX)) K RXFLX  D KILL^PSOLBL2 Q | | | | | | | | |

# Back Out/Rollback Procedure

This story includes modifications to existing routines.

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.