**MCCF EDI TAS US594**

**System Design Document**



**Department of Veterans Affairs**

**December 2017**

**Version 1.1**

**User Story Number:** USRX-20

**User Story Name:** Review the Pharmacy Sensitive Drug and Medication Profile

**Product Backlog ID:** 182

**Backlog Priority:** (High, Medium, Low)

**Initial Sizing Estimate:**

**Rational ID:** tbd

**Rally ID:** US594

# **Design – Summary**

Add two new sections to the View ePharmacy Rx [BPS RPT VIEW ECME RX] screen, and add two new Actions to the screen. These new sections will display the same information as the existing menu options and actions listed below.

* ROI Release of Info / Patient Release of Information [IBCNR RELEASE OF INFORMATION]
* MP Med Profile / action on Reject Information screen: MP Medication Profile

List of Components:

* Routine: BPSVRX
* Routine: BPSVRX3
* Routine: PSOPMP0
* PROTOCOL: BPS VIEW ECME RX MENU
* PROTOCOL: BPS VRX NAV BILL LIST
* PROTOCOL: BPS VRX NAV BILLING EVENTS RPT
* PROTOCOL: BPS VRX NAV CRI
* PROTOCOL: BPS VRX NAV DG ELIG STATUS
* PROTOCOL: BPS VRX NAV DG ELIG VERIFICATION
* PROTOCOL: BPS VRX NAV ECME CLAIM LOG
* PROTOCOL: BPS VRX NAV INS POL
* PROTOCOL: BPS VRX NAV MED PROFILE
* PROTOCOL: BPS VRX NAV PRINT REPORT
* PROTOCOL: BPS VRX NAV SENSITIVE DRUG
* PROTOCOL: BPS VRX NAV TPJI AR ACCT PROFILE
* PROTOCOL: BPS VRX NAV TPJI AR COMMENT HISTORY
* PROTOCOL: BPS VRX NAV TPJI CLAIM INFORMATION
* PROTOCOL: BPS VRX NAV TPJI ECME RX INFO
* PROTOCOL: BPS VRX NAV VIEWRX
* PROTOCOL: VALM BLANK 3

# **Design – Detail**

The routine which builds the list will be modified to include two additional sections.

| Subroutine Name | **BUILD^BPSVRX** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US594 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Subroutines | This Subroutine is Called By | | | | | This Subroutine Calls | | |
| INIT^BPSVRX | | | | | BILL^BPSVRX1, CRI^BPSVRX1, INS^BPSVRX1, LOG^BPSVRX1, TPJIARCH^BPSVRX1, TPJIARP^BPSVRX1, TPJICI^BPSVRX1, TPJIECME^BPSVRX1, TPJILST^BPSVRX1, VIEWRX^BPSVRX1, GELST^BPSVRX2, DGELV^BPSVRX2 | | |
| Related Integration Control Registrations (ICRs) | n/a | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | Function Return Value | | | Global Modified |
| Input Attribute Name and Definition | Name: RXIEN  Definition: IEN for Prescription  New  Modify  Delete  No Change  Name: FILL  Definition: Fill number (0 if original)  New  Modify  Delete  No Change  Name: VIEWTYPE  Definition: If “A”, then include all transaction for this Rx/Fill; if “M”, then include only the most recent transaction.  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| BUILD(RXIEN,FILL,VIEWTYPE) ; build list  ; This is called in the INIT section to build the ListMan scratch global  ; all parameters are required and must exist when this is called  ;  S BPSVRX=1 ; special variable indicating this is the driver routine  I '$D(ZTQUEUED) W !  K ^TMP("BPSVRX",$J) ; initialize display array  ;  D VIEWRX^BPSVRX1(RXIEN,FILL,VIEWTYPE,1) ; View Prescriptions [PSO VIEW]  D LOG^BPSVRX1(RXIEN,FILL,VIEWTYPE,2) ; ECME Print Claim Log  D BILL^BPSVRX1(RXIEN,FILL,VIEWTYPE,3) ; IB ECME Billing Events Report  D CRI^BPSVRX1(RXIEN,FILL,VIEWTYPE,4) ; ECME Claims-Response Inquiry Report  D INS^BPSVRX1(RXIEN,FILL,VIEWTYPE,5) ; View Pharmacy Insurance policies  D TPJILST^BPSVRX1(RXIEN,FILL,VIEWTYPE,6) ; List of TPJI-eligible bills  D TPJICI^BPSVRX1(RXIEN,FILL,VIEWTYPE,7) ; TPJI - Claim Information  D TPJIARP^BPSVRX1(RXIEN,FILL,VIEWTYPE,8) ; TPJI - AR Account Profile  D TPJIARCH^BPSVRX1(RXIEN,FILL,VIEWTYPE,9) ; TPJI - AR Comment History  D TPJIECME^BPSVRX1(RXIEN,FILL,VIEWTYPE,10) ; TPJI - ECME Rx Response Info  D DGELST^BPSVRX2(RXIEN,FILL,VIEWTYPE,11) ; View Registration Elig Status  D DGELV^BPSVRX2(RXIEN,FILL,VIEWTYPE,12) ; View Registration Elig Verification  ;  BUILDX ;  Q | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BUILD(RXIEN,FILL,VIEWTYPE) ; build list  ; This is called in the INIT section to build the ListMan scratch global  ; all parameters are required and must exist when this is called  ;  S BPSVRX=1 ; special variable indicating this is the driver routine  I '$D(ZTQUEUED) W !  K ^TMP("BPSVRX",$J) ; initialize display array  ;  D VIEWRX^BPSVRX1(RXIEN,FILL,VIEWTYPE,1) ; View Prescriptions [PSO VIEW]  D LOG^BPSVRX1(RXIEN,FILL,VIEWTYPE,2) ; ECME Print Claim Log  D BILL^BPSVRX1(RXIEN,FILL,VIEWTYPE,3) ; IB ECME Billing Events Report  D SD^BPSVRX3(RXIEN,FILL,VIEWTYPE,4) ; SD Sensitive Drug  D CRI^BPSVRX1(RXIEN,FILL,VIEWTYPE,5) ; ECME Claims-Response Inquiry Report  D INS^BPSVRX1(RXIEN,FILL,VIEWTYPE,6) ; View Pharmacy Insurance policies  D TPJILST^BPSVRX1(RXIEN,FILL,VIEWTYPE,7) ; List of TPJI-eligible bills  D MP^BPSVRX3(RXIEN,FILL,VIEWTYPE,8) ; MP Medication Profile  D TPJICI^BPSVRX1(RXIEN,FILL,VIEWTYPE,9) ; TPJI - Claim Information  D TPJIARP^BPSVRX1(RXIEN,FILL,VIEWTYPE,10) ; TPJI - AR Account Profile  D TPJIARCH^BPSVRX1(RXIEN,FILL,VIEWTYPE,11) ; TPJI - AR Comment History  D TPJIECME^BPSVRX1(RXIEN,FILL,VIEWTYPE,12) ; TPJI - ECME Rx Response Info  D DGELST^BPSVRX2(RXIEN,FILL,VIEWTYPE,13) ; View Registration Elig Status  D DGELV^BPSVRX2(RXIEN,FILL,VIEWTYPE,14) ; View Registration Elig Verification  ;  BUILDX ;  Q | | | | | | | | |

The existing code to pull ROI/SD information is in ^IBNCPDR. We will create a new API in ^IBNCPDR3 which will be used by the new SD^BPSVRX3 procedure. The existing code will be modified to make use of the new API.

| Subroutine Name | **SD^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US594 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Subroutines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| BUILD^BPSVRX | | | | UPDATE^BPSVRX, $$RXAPI1^BPSUTIL1, SD^IBNCPDR3, $$FMTE^XLFDT | | | |
| Related Integration Control Registrations (ICRs) | New one, TBD. This procedure will call a new API in the IB namespace (SD^IBNCPDR3), so we need a new ICR for this. | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: RXIEN  Definition: IEN for Prescription  New  Modify  Delete  No Change  Name: FIILL  Definition: Fill number (0 if original)  New  Modify  Delete  No Change  Name: VIEWTYPE  Definition: If “A”, then include all transaction for this Rx/Fill; if “M”, then include only the most recent transaction.  New  Modify  Delete  No Change  Name: BPSSNUM  Definition: Sequence number. Each section of the screen has a sequence number to facilitate allowing the user to jump to a particular section.  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| SD(RXIEN,FILL,VIEWTYPE,BPSSNUM) ; SD Sensitive Drug  ;  I '$D(ZTQUEUED) W !,"Compiling data for Sensitive Drug ..."  ;  N BPSCNT,BPSDRUG,BPSDRUGNAME,BPSINS,BPSINSNAME,BPSSD  N BPSSDEFF,BPSSDEXP,BPSSDSTRING,DFN  ;  K ^TMP("BPSVRX-SD",$J)  ;  ; Determine Patient, DFN  ;  S DFN=+$$RXAPI1^BPSUTIL1(RXIEN,2,"I") ; Patient IEN.  ;  ; Call IB API to pull ROI/SD information for this patient.  ;  D BLD^IBNCPDR  ;  S ^TMP("BPSVRX-SD",$J,1,0)=""  S ^TMP("BPSVRX-SD",$J,2,0)=" S Drug Insurance ROI Eff Dt-Exp Dt"  S ^TMP("BPSVRX-SD",$J,3,0)=" Non-Sensitive Diagnosis Authorizer Auth Dt"  S ^TMP("BPSVRX-SD",$J,4,0)="----------------------------------------------------------------------------"  S BPSCNT=4  ;  S BPSLINE=0  F  S BPSLINE=$O(^TMP("IBNCR",$J,BPSLINE)) Q:'BPSLINE  D  . S BPSCNT=BPSCNT+1  . S ^TMP("BPSVRX-SD",$J,BPSCNT,0)=^TMP("IBNCR",$J,BPSLINE,0)  ;  ;  I BPSCNT=3 D  . S ^TMP("BPSVRX-SD",$J,4,0)=""  . S ^TMP("BPSVRX-SD",$J,5,0)=" -- No SD's on file for patient --"  . S BPSCNT=5  S ^TMP("BPSVRX-SD",$J,BPSCNT+1,0)=""  ;  D UPDATE^BPSVRX($NA(^TMP("BPSVRX-SD",$J)),"","","Sensitive Drug",BPSSNUM)  ;  K ^TMP("BPSVRX-SD",$J)  ;  Q | | | | | | | | |

To make use of the existing code that is pulling medication profile information requires calls to three different procedures within the PSO namespace. Rather than create ICD’s to govern the use of those three existing procedures, a new API will be created within PSO (MEDPRO^PSOPMP0) that will perform all those calls. The MP procedure in ^BPSVRX3 will make use of that new API.

| Subroutine Name | **MP^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US594 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Subroutines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| BUILD^BPSVRX | | | | UPDATE^BPSVRX, MEDPRO^PSOPMP0 | | | |
| Related Integration Control Registrations (ICRs) | TBD; a new one will need to be created to govern the use of MEDPRO^PSOPMP0. | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: RXIEN  Definition: IEN for Prescription  New  Modify  Delete  No Change  Name: FIILL  Definition: Fill number (0 if original)  New  Modify  Delete  No Change  Name: VIEWTYPE  Definition: If “A”, then include all transaction for this Rx/Fill; if “M”, then include only the most recent transaction.  New  Modify  Delete  No Change  Name: BPSSNUM  Definition: Sequence number. Each section of the screen has a sequence number to facilitate allowing the user to jump to a particular section.  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| MP(RXIEN,FILL,VIEWTYPE,BPSSNUM) ; MP Medication Profile  ;  ;  I '$D(ZTQUEUED) W !,"Compiling data for Medication Profile ..."  ;  N BPSCNT,BPSLINE  ;  K ^TMP("BPSVRX-MP",$J)  ;  ; Call PSO API to pull MP information for this patient.  ;  D MEDPRO^PSOPMP0(RXIEN,FILL) ; DBIA# tbd.  ;  S ^TMP("BPSVRX-MP",$J,1,0)=""  S ^TMP("BPSVRX-MP",$J,2,0)=" ISSUE LAST REF DAY"  S ^TMP("BPSVRX-MP",$J,3,0)=" # Rx# DRUG [^] QTY ST DATE FILL REM SUP"  S ^TMP("BPSVRX-MP",$J,4,0)="--------------------------------------------------------------------------------"  S BPSCNT=4  ;  S BPSLINE=0  F  S BPSLINE=$O(^TMP("PSOPMP0",$J,BPSLINE)) Q:'BPSLINE  D  . S BPSCNT=BPSCNT+1  . S ^TMP("BPSVRX-MP",$J,BPSCNT,0)=^TMP("PSOPMP0",$J,BPSLINE,0)  ;  I BPSCNT=4 D  . S ^TMP("BPSVRX-MP",$J,1,0)=""  . S ^TMP("BPSVRX-MP",$J,2,0)=" -- No prescriptions found for this patient --"  . S BPSCNT=2  S ^TMP("BPSVRX-MP",$J,BPSCNT+1,0)=""  ;  D UPDATE^BPSVRX($NA(^TMP("BPSVRX-MP",$J)),"","","Medication Profile",BPSSNUM)  ;  K ^TMP("BPSVRX-MP",$J),^TMP("PSOPMP0",$J)  ;  Q | | | | | | | | |

| Subroutine Name | **SELECT^BPSVRX3** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Story | US594 | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | |
| Current Logic | | | | |
| SELECT(BPSLIST) ; Allow user to select sections of the list to be printed.  ;  ; This function returns a 1 if the user entered one or more sections  ; to be printed, 0 if no selection was made.  ; This function expects the following variables to exist:  ; - BPSVRX("LISTNAV",Section#) = Beginning Line#  ; where Section# is a number, 1-14, corresponding to a section of the  ; ListMan list, and Beginning Line# is the first line of that section.  ;  ; Returns the BPSLIST array with a list of one or more sections:  ; BPSLIST(Section#) = First Line ^ Last Line  ; Where First Line and Last Line are the first and last lines of  ; that section in the list and Section# can be one or more numbers  ; from 1 to 14, each corresponding to a section:  ; 8 - AP, TPJI Account Profile  ; 3 - BE, Billing Events  ; 7 - CI, TPJI Claim Info  ; 2 - CL, Claim Log  ; 9 - CM, TPJI AR Comment History  ; 4 - CR, Claims Response Inquiry Report  ; 10 - ER, TPJI ECME Rx Information  ; 11 - ES, Eligibility Status  ; 12 - EV, Eligibility Verification  ; 5 - IN, Insurance  ; 6 - LB, List of Bills  ; 14 - MP, Medication Profile  ; 13 - SD, Sensitive Drug  ; 1 - VW, View Rx  ;  N BPSLC,BPSLISTNAV,BPSSECBEGIN,BPSSECEND,BPSSECNUM,BPSSECLIST,BPSSEL  N BPSUC,BPSX,BPSY,DA,DIR,DIROUT,DIRUT,DTOUT,DUOUT,X,Y  ;  S BPSSECLIST=",AP,BE,CI,CL,CM,CR,ER,ES,EV,IN,LB,MP,SD,VW,"  S BPSLISTNAV("AP")=8  S BPSLISTNAV("BE")=3  S BPSLISTNAV("CI")=7  S BPSLISTNAV("CL")=2  S BPSLISTNAV("CM")=9  S BPSLISTNAV("CR")=4  S BPSLISTNAV("ER")=10  S BPSLISTNAV("ES")=11  S BPSLISTNAV("EV")=12  S BPSLISTNAV("IN")=5  S BPSLISTNAV("LB")=6  S BPSLISTNAV("MP")=14  S BPSLISTNAV("SD")=13  S BPSLISTNAV("VW")=1  ;  S BPSUC="ABCDEFGHIJKLMNOPQRSTUVWXYZ"  S BPSLC="abcdefghijklmnopqrstuvwxyz"  ;  ; Display the list of actions to the user once, upon executing the PR option.  ; List can be re-displayed to the user by entering ??.  W !  W !,"VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx"  W !,"CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status"  W !,"BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif"  W !  ; | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SELECT(BPSLIST) ; Allow user to select sections of the list to be printed.  ;  ; This function returns a 1 if the user entered one or more sections  ; to be printed, 0 if no selection was made.  ; This function expects the following variables to exist:  ; - BPSVRX("LISTNAV",Section#) = Beginning Line#  ; where Section# is a number, 1-14, corresponding to a section of the  ; ListMan list, and Beginning Line# is the first line of that section.  ;  ; Returns the BPSLIST array with a list of one or more sections:  ; BPSLIST(Section#) = First Line ^ Last Line  ; Where First Line and Last Line are the first and last lines of  ; that section in the list and Section# can be one or more numbers  ; from 1 to 14, each corresponding to a section:  ; 10 - AP, TPJI Account Profile  ; 3 - BE, Billing Events  ; 9 - CI, TPJI Claim Info  ; 2 - CL, Claim Log  ; 11 - CM, TPJI AR Comment History  ; 5 - CR, Claims Response Inquiry Report  ; 12 - ER, TPJI ECME Rx Information  ; 13 - ES, Eligibility Status  ; 14 - EV, Eligibility Verification  ; 6 - IN, Insurance  ; 7 - LB, List of Bills  ; 8 - MP, Medication Profile  ; 4 - SD, Sensitive Drug  ; 1 - VW, View Rx  ;  N BPSLC,BPSLISTNAV,BPSSECBEGIN,BPSSECEND,BPSSECNUM,BPSSECLIST,BPSSEL  N BPSUC,BPSX,BPSY,DA,DIR,DIROUT,DIRUT,DTOUT,DUOUT,X,Y  ;  S BPSSECLIST=",AP,BE,CI,CL,CM,CR,ER,ES,EV,IN,LB,MP,SD,VW,"  S BPSLISTNAV("AP")=10  S BPSLISTNAV("BE")=3  S BPSLISTNAV("CI")=9  S BPSLISTNAV("CL")=2  S BPSLISTNAV("CM")=11  S BPSLISTNAV("CR")=5  S BPSLISTNAV("ER")=12  S BPSLISTNAV("ES")=13  S BPSLISTNAV("EV")=14  S BPSLISTNAV("IN")=6  S BPSLISTNAV("LB")=7  S BPSLISTNAV("MP")=8  S BPSLISTNAV("SD")=4  S BPSLISTNAV("VW")=1  ;  S BPSUC="ABCDEFGHIJKLMNOPQRSTUVWXYZ"  S BPSLC="abcdefghijklmnopqrstuvwxyz"  ;  ; Display the list of actions to the user once, upon executing the PR option.  ; List can be re-displayed to the user by entering ??.  W !  W !,"VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx"  W !,"CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status"  W !,"BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif"  W !,"SD Sensitive Drug MP Med Profile"  W !  ; | | | | |

| Subroutine Name | **PRINT^BPSVRX3** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Story | US594 | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | |
| Current Logic | | | | |
| PRINT ; Print sections of the list.  ;  ; BPSLIST will be an array of one or more sections from the existing  ; ListMan list stored in ^TMP("BPSVRX",$J). Format of BPSLIST:  ; BPSLIST(Section#) = First Line ^ Last Line  ; Where First Line and Last Line are the first and last lines of  ; that section in the list and Section# can be one or more numbers  ; from 1 to 14, each corresponding to a section:  ; 8 - AP, TPJI Account Profile  ; 3 - BE, Billing Events  ; 7 - CI, TPJI Claim Info  ; 2 - CL, Claim Log  ; 9 - CM, TPJI AR Comment History  ; 4 - CR, Claims Response Inquiry Report  ; 10 - ER, TPJI ECME Rx Information  ; 11 - ES, Eligibility Status  ; 12 - EV, Eligibility Verification  ; 5 - IN, Insurance  ; 6 - LB, List of Bills  ; 14 - MP, Medication Profile  ; 13 - SD, Sensitive Drug  ; 1 - VW, View Rx  ;  N BPSCRT,BPSBEGIN,BPSDASHES,BPSEND,BPSLINE,BPSPAGE,BPSSECTION,BPSSTOP  ;  S BPSCRT=$S($E(IOST,1,2)="C-":1,1:0)  S BPSPAGE=0,BPSSTOP=0,$P(BPSDASHES,"=",79)=""  ;  S BPSSECTION=""  F  S BPSSECTION=$O(BPSLIST(BPSSECTION)) Q:BPSSECTION=""  D  Q:BPSSTOP  . S BPSBEGIN=$P(BPSLIST(BPSSECTION),U,1)  . S BPSEND=$P(BPSLIST(BPSSECTION),U,2)  . ;  . ; Display the header at the top of each section.  . ;  . D HEADER  . ;  . S BPSLINE=BPSBEGIN-1  . F  S BPSLINE=$O(BPSAR(BPSLINE)) Q:'BPSLINE  Q:BPSLINE>BPSEND  D  Q:BPSSTOP  . . ;  . . I $Y+3>IOSL D HEADER I BPSSTOP Q  . . ;  . . W !,BPSAR(BPSLINE)  . . ;  . . Q  . Q  ;  I BPSSTOP G PRINTQ  I $Y+4>IOSL D HEADER I BPSSTOP G PRINTQ  W !!?5,"\*\*\* End of Report \*\*\*"  I BPSCRT S DIR(0)="E" W ! D ^DIR K DIR  ; | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| PRINT ; Print sections of the list.  ;  ; BPSLIST will be an array of one or more sections from the existing  ; ListMan list stored in ^TMP("BPSVRX",$J). Format of BPSLIST:  ; BPSLIST(Section#) = First Line ^ Last Line  ; Where First Line and Last Line are the first and last lines of  ; that section in the list and Section# can be one or more numbers  ; from 1 to 14, each corresponding to a section:  ; 1 - VW, View Rx  ; 10 - AP, TPJI Account Profile  ; 3 - BE, Billing Events  ; 9 - CI, TPJI Claim Info  ; 2 - CL, Claim Log  ; 11 - CM, TPJI AR Comment History  ; 5 - CR, Claims Response Inquiry Report  ; 12 - ER, TPJI ECME Rx Information  ; 13 - ES, Eligibility Status  ; 14 - EV, Eligibility Verification  ; 6 - IN, Insurance  ; 7 - LB, List of Bills  ; 8 - MP, Medication Profile  ; 4 - SD, Sensitive Drug  ; 1 - VW, View Rx  ;  N BPSCRT,BPSBEGIN,BPSDASHES,BPSEND,BPSLINE,BPSPAGE,BPSSECTION,BPSSTOP  ;  S BPSCRT=$S($E(IOST,1,2)="C-":1,1:0)  S BPSPAGE=0,BPSSTOP=0,$P(BPSDASHES,"=",79)=""  ;  S BPSSECTION=""  F  S BPSSECTION=$O(BPSLIST(BPSSECTION)) Q:BPSSECTION=""  D  Q:BPSSTOP  . S BPSBEGIN=$P(BPSLIST(BPSSECTION),U,1)  . S BPSEND=$P(BPSLIST(BPSSECTION),U,2)  . ;  . ; Display the header at the top of each section.  . ;  . D HEADER  . ;  . S BPSLINE=BPSBEGIN-1  . F  S BPSLINE=$O(BPSAR(BPSLINE)) Q:'BPSLINE  Q:BPSLINE>BPSEND  D  Q:BPSSTOP  . . ;  . . I $Y+3>IOSL D HEADER I BPSSTOP Q  . . ;  . . W !,BPSAR(BPSLINE)  . . ;  . . Q  . Q  ;  I BPSSTOP G PRINTQ  I $Y+4>IOSL D HEADER I BPSSTOP G PRINTQ  W !!?5,"\*\*\* End of Report \*\*\*"  I BPSCRT S DIR(0)="E" W ! D ^DIR K DIR  ; | | | | |

| Subroutine Name | **HELP^BPSVRX3** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Story | US594 | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | |
| Current Logic | | | | |
| HELP ; ?? Help - Display Options  W !,"VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx"  W !,"CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status"  W !,"BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif"  W !  W !," Select one or many report(s) to print, separated by commas. When all"  W !," reports have been selected, hit enter without making another selection."  W !," Example: "  W !," Select Report to Print: VW,IN,CM"  W !," Select Report to Print: ES"  Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| HELP ; ?? Help - Display Options  W !,"VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx"  W !,"CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status"  W !,"BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif"  W !,"SD Sensitive Drug MP Med Profile"  W !  W !," Select one or many report(s) to print, separated by commas. When all"  W !," reports have been selected, hit enter without making another selection."  W !," Example: "  W !," Select Report to Print: VW,IN,CM"  W !," Select Report to Print: ES"  Q | | | | |

| Subroutine Name | **MEDPRO^PSOPMP0** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Story | US594 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Subroutines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| MP^BPSVRX | | | | LOAD^PSOPMPPF, SETSORT^PSOPMP0, SETLINE^PSOPMP0 | | | |
| Related Integration Control Registrations (ICRs) | TBD; a new one will need to be created. | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: RXIEN  Definition: IEN for Prescription  New  Modify  Delete  No Change  Name: FIILL  Definition: Fill number (0 if original)  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: n/a  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| MEDPRO(RXIEN,FILL) ; MP Medication Profile  ;  ; This procedure relies on existing procedures which are part  ; of Patient Medication Profile ListMan screen.  ;  ; New variables used in this procedure.  ;  N PSODFN,PSOSIGDP,PSOSITE,PSOSRTBY  ;  K ^TMP("PSOPMP0",$J),^TMP("PSOPMPSR",$J)  ;  ; Determine Division IEN, ptr to file# 59, and Patient IEN.  ;  S PSOSITE=+$$RXSITE^PSOBPSUT(RXIEN,FILL)  S PSODFN=+$$GET1^DIQ(52,RXIEN,2,"I")  ;  ; LOAD determines Division or User preferences.  ;  D LOAD^PSOPMPPF(PSOSITE,DUZ)  S PSOSIGDP=0 ; Do not include signetur info.  ;  ; SETSORT collects medication data into ^TMP("PSOPMPSR").  ; SETLINE takes the data collected in ^TMP("PSOPMPSR") and  ; creates the display lines in ^TMP("PSOPMP0").  ;  D SETSORT(PSOSRTBY)  D SETLINE  ;  K ^TMP("PSOPMPSR",$J)  ;  ; Clean up variable set but neither Newed nor Killed in LOAD^PSOPMPPF.  ;  N PSOEXDCE,PSORDCNT,PSORDER,PSOSRTBY,PSOSTSEQ,PSOSTSGP  ;  ;  Q | | | | | | | | |

Two new actions will be added to file #101 PROTOCOL. The tables below describe how these actions are to be added.

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 – NAME** | BPS VRX NAV SENSITIVE DRUG |
| **#1 - ITEM TEXT** | Sensitive Drug |
| **#4 – TYPE** | ACTION |
| **#12 – PACKAGE** | BPS |
| **#15 - EXIT ACTION** | "S VALMBCK=""R""" |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(4)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV MED PROFILE |
| **#1 - ITEM TEXT** | Medication Profile |
| **#4 – TYPE** | ACTION |
| **#12 - PACKAGE** | BPS |
| **#15 - EXIT ACTION** | "S VALMBCK=""R""" |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(8)" |

The following actions are existing protocols that will need to be edited as follows:

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV BILL LIST |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(7)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV CRI |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(5)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV DG ELIG STATUS |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(13)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV DG ELIG VERIFICATION |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(14)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV INS POL |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(6)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV TPJI AR ACCT PROFILE |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(10)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV TPJI AR COMMENT HISTORY |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(11)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV TPJI CLAIM INFORMATION |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(9)" |

| **File# 101, PROTOCOL** | |
| --- | --- |
| **Fields** | **Values** |
| **#.01 - NAME** | BPS VRX NAV TPJI ECME RX INFO |
| **#20 - ENTRY ACTION** | "D NAV^BPSVRX(12)" |

The BPS VIEW ECME RX MENU entry in file# 101, PROTOCOL, will be modified to add the above two new actions. Below are shown the actions that are currently displayed in the BPS VIEW ECME RX MENU.

VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx

CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status

BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif

PR Print Report

After the two new actions are added, the actions will appear as follows.

VW View Rx CR CRI Report CI TPJI Claim Info ER TPJI ECME Rx

CL Claim Log IN Insurance AP TPJI Acct Pro ES Elig Status

BE Billing Events LB List of Bills CM TPJI AR Comm EV Elig Verif

SD Sensitive Drug MP Med Profile PR Print Report

The following table shows all the actions on the BPS VIEW ECME RX MENU, with the new ones highlighted. The highlighted actions must be added to this entry in file# 101, PROTOCOL. Each of the action protocols, whether new or existing, must be added to the build with an installation action of “SEND TO SITE”.

|  |  |  |
| --- | --- | --- |
| Item | Mnemonic | Sequence |
| BPS VRX NAV VIEWRX | VW | 11 |
| BPS VRX NAV ECME CLAIM LOG | CL | 12 |
| BPS VRX NAV BILLING EVENTS RPT | BE | 13 |
| BPS VRX NAV SENSITIVE DRUG | SD | 14 |
| BPS VRX NAV CRI | CR | 21 |
| BPS VRX NAV INS POL | IN | 22 |
| BPS VRX NAV BILL LIST | LB | 23 |
| BPS VRX NAV MED PROFILE | MP | 24 |
| BPS VRX NAV TPJI CLAIM INFORMATION | CI | 31 |
| BPS VRX NAV TPJI AR ACCT PROFILE | AP | 32 |
| BPS VRX NAV TPJI AR COMMENT HISTORY | CM | 33 |
| BPS VRX NAV TPJI ECME RX INFO | ER | 41 |
| BPS VRX NAV DG ELIG STATUS | ES | 42 |
| BPS VRX NAV DG ELIG VERIFICATION | EV | 43 |
| BPS VRX NAV PRINT REPORT | PR | 44 |

# **Back Out/Rollback Procedure**

This story includes modifications to existing routines and files.

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 database would involve the following steps, which could be performed by a developer or IRM at each site or via an emergency patch:

* Delete two entries from file# 101, PROTOCOL:
  + BPS VRX NAV MED PROFILE
  + BPS VRX NAV SENSITIVE DRUG
* Modify one entry in file# 101, PROTOCOL:
  + BPS VIEW ECME RX MENU
    - Delete from the list of Actions the above two action protocols.