**MCCF EDI TAS US209**

System Design Document



Department of Veterans Affairs

**May 2017**

Version 1.01

**User Story Number:** USRX-21

**User Story Name:** Allow printing of one or multiple reports of the VER View ePharmacy Rx

**Product Backlog ID:** 183

**Backlog Priority:** Low

**Initial Sizing Estimate:**

**Rational ID:** tbd

**Rally ID:** US209

# Design – Summary

The existing ListMan screen VER View ePharmacy Rx contains twelve sections, with an additional two sections being added in US594. The users would like the ability to print one or more of these sections.

A new action of PR Print Report(s) will be added to the menu protocol. When a user selects the new action PR Print Report(s), the system will allow the user to enter one or more sections to be printed. Each selected section will be printed directly from the ListMan List, in ^TMP.

List of Components:

* Routine: BPSVRX3
* 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 <- to be added with US594
* Protocol: BPS VRX NAV PRINT REPORT
* Protocol: BPS VRX NAV SENSITIVE DRUG <- to be added with US594
* 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 1 <- placeholder until US594
* Protocol: VALM BLANK 2 <- placeholder until US594
* Protocol: VALM BLANK 3
* List Template: BPS VIEW ECME RX

# Design – Detail

The new action PR Print Report(s) will be added to file #101, PROTOCOL, as described by the following table.

|  |  |
| --- | --- |
| **Fields** | **Values** |
| **#.01 – NAME** | BPS VRX NAV PRINT REPORT |
| **#1 – ITEM TEXT** | Print Report |
| **#4 – TYPE** | ACTION |
| **#12 – PACKAGE** | BPS |
| **#15 – EXIT ACTION** | S VALMBCK=”R” |
| **#20 – ENTRY ACTION** | D REPORT^BPSVRX3 |

The BPS VIEW ECME RX MENU entry in file# 101, PROTOCOL, will be modified to add the new action PR Print Report. 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

After the new action is 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 actions SD Sensitive Drug and MP Med Profile will be added in US594.

The following table shows all the actions on the BPS VIEW ECME RX MENU, with the new one highlighted. The highlighted action 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 |
| VALM BLANK 1\*  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 |
| VALM BLANK 2\*  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 |
| VALM BLANK 3 |  | 34 |
| 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 |

\* Blank actions, added as placeholders, until US594 is done. These are being used to force the actions to display in the proper order.

\*\*The actions SD Sensitive Drug and MP Med Profile will be added in US594. These actions will replace VALM BLANK 1 and VALM BLANK 2 with US594.

The BPS VIEW ECME RX entry in file #409.61 LIST TEMPLATE will be modified to allow for an additional row that will allow the new action to be displayed.

|  |  |
| --- | --- |
| **Fields** | **Values** |
| **#.06 – BOTTOM MARGIN (current)** | 19 |
| **#.06 – BOTTOM MARGIN (modified)** | 18 |

| Subroutine Name | **REPORT^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| Entry action on action protocol BPS VRX NAV PRINT REPORT | | | LIST^BPSVRX3, $$SELECT^BPSVRX3, $$STOP^BPSVRX3 | | | | |
| 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 | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSVRX3 ;AITC/PD - Print Report from VER;5/2/2017  ;;1.0;E CLAIMS MGMT ENGINE;\*\*22\*\*;  ;;Per VA Directive 6402, this routine should not be modified.  ;  Q  ;  REPORT ; Select and print sections of the list.  ;  ; Allow the user to select one or more sections of the VER list to  ; print to the specified device.  ;  N BPSJOB,BPSLIST  S BPSJOB=$J  D FULL^VALM1  ;  LIST I '$$SELECT(.BPSLIST) G REXIT  ;  I '$$DEVICE() G REXIT:$$STOP,LIST  ;  REXIT ; Exit point.  ;  Q | | | | | | | | |

| Subroutine Name | **SELECT^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| REPORT^BPSVRX3 | | | ^DIR | | | | |
| 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: $$SELECT  Definition: 1 if one or more sections were selected; 0 otherwise.  New  Modify  Delete  No Change  Name: BPSLIST  Definition: Array containing list of sections selected by the user.  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| 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:  ; - BPSJOB will be set to the $J of the current job, if foreground,  ; or the job which launched this background job, if background.  ; - 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 !  ;  SELECT1 ; Prompt user for section(s) to print.  ;  S DIR(0)="FO^0:40"  S DIR("A")="Select Report to Print"  S DIR("?",1)=" Select one or many report(s) to print, separated by commas. When all"  S DIR("?",2)=" reports have been selected, hit enter without making another selection."  S DIR("?",3)=" Example: "  S DIR("?",4)=" Select Report to Print: VW,IN,CM"  S DIR("?")=" Select Report to Print: ES"  S DIR("??")="^D HELP^BPSVRX3"  ;  D ^DIR  ;  ; If user enters "^" or "^^", or it times out, clear out the  ; list and skip to end.  ;  I $D(DTOUT)!$D(DUOUT) K BPSLIST G SELECTQ  ;  ; If user entered nothing, skip to end.  ;  I X="" G SELECTQ  ;  ; Convert any lower case to upper case  S X=$TR(X,BPSLC,BPSUC)  ;  F BPSX=1:1:$L(X,",") D  . S BPSSEL=$P(X,",",BPSX)  . I BPSSECLIST'[(","\_BPSSEL\_",") W !,\*7," ",BPSSEL," is not a valid entry." Q  . S BPSSECNUM=BPSLISTNAV(BPSSEL)  . I $D(BPSLIST(BPSSECNUM)) W !,\*7," ",BPSSEL," already selected." Q  . S BPSSECBEGIN=$G(BPSVRX("LISTNAV",BPSSECNUM))  . S BPSY=$O(BPSVRX("LISTNAV",BPSSECNUM))  . I BPSY'="" S BPSSECEND=$G(BPSVRX("LISTNAV",BPSY))-1  . E S BPSSECEND=$O(^TMP("BPSVRX",BPSJOB,""),-1)  . S BPSLIST(BPSSECNUM)=BPSSECBEGIN\_"^"\_BPSSECEND  . Q  ;  G SELECT1  ;  SELECTQ ;  I '$D(BPSLIST) Q 0  Q 1 | | | | | | | | |

| Subroutine Name | **DEVICE^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| REPORT^BPSVRX3 | | | ^DIR, EN^XUTMDEVQ | | | | |
| 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: $$DEVICE  Definition: 1 if report was printed, 0 if user exited out  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| DEVICE() ; Prompt user for output device.  ; Function return values:  ; 1 - User selected a device.  ; 0 - User exited out.  ;  N BPSRETURN,DIR,POP,X,Y,ZTDESC,ZTQUEUED,ZTREQ,ZTRTN,ZTSAVE,ZTSK  S BPSRETURN=1  ;  S ZTRTN="PRINT^BPSVRX3"  S ZTDESC="VER View Prescription Report"  S ZTSAVE("BPS\*")=""  ;  D EN^XUTMDEVQ(ZTRTN,ZTDESC,.ZTSAVE,"QM",1)  I POP S BPSRETURN=0  I $G(ZTSK) W !!,"Report compilation has started with task# ",ZTSK,".",! S DIR(0)="E" D ^DIR  ;  Q BPSRETURN | | | | | | | | |

| Subroutine Name | **STOP^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| REPORT^BPSVRX3 | | | ^DIR | | | | |
| 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: $$STOP  Definition: 1 if user wishes to exit entirely, else 0.  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| STOP() ; Determine if user wishes to exit out of the option entirely.  ; Function return values:  ; 1 - Yes, exit entirely.  ; 0 - No, do not exit but return to the previous question.  ;  N DIR,DIRUT,Y  ;  S DIR(0)="Y"  S DIR("A")="Do you want to exit out of this option entirely"  S DIR("B")="YES"  S DIR("?",1)=" Enter YES to immediately exit out of this option."  S DIR("?")=" Enter NO to return to the previous question."  W !  D ^DIR  I $D(DIRUT) S Y=1  Q Y | | | | | | | | |

| Subroutine Name | **PRINT^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| REPORT^BPSVRX3 | | | ^DIR, HEADER^BPSVRX3 | | | | |
| 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 | | | | | | | | |
| n/a | | | | | | | | |
| 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:  ; 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  ; BPSJOB will be set to the $J of the current job, if foreground,  ; or the job which launched this background job, if background.  ;  N BPSCRT,BPSBEGIN,BPSDASHES,BPSEND,BPSLINE,BPSPAGE,BPSSECTION,BPSSTOP  ;  S BPSCRT=$S(IOST["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(^TMP("BPSVRX",BPSJOB,BPSLINE)) Q:'BPSLINE Q:BPSLINE>BPSEND D Q:BPSSTOP  . . ;  . . I $Y+3>IOSL D HEADER I BPSSTOP Q  . . ;  . . W !,^TMP("BPSVRX",BPSJOB,BPSLINE,0)  . . ;  . . 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  ;  PRINTQ ;  ;  I $D(ZTQUEUED) S ZTREQ="@" ; If queued, purge the task after exiting.  ;  Q | | | | | | | | |

| Subroutine Name | **HEADER^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| PRINT^BPSVRX3 | | | ^DIR | | | | |
| 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 | | | | | | | | |
| n/a | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| HEADER ; Print the header.  ;  N BPSX  ;  ; If PAGE (i.e. not the first page) and device is the screen, do an  ; end-of-page reader call. If PAGE or screen output, do a form feed.  ; If this is the first page ('BPSPAGE), and device is file or printer  ; ('BPSCRT), reset the left margin ($C(13)).  ;  I BPSPAGE,BPSCRT S DIR(0)="E" D ^DIR K DIR I 'Y S BPSSTOP=1 G HEADERQ  I BPSPAGE!BPSCRT W @IOF  I 'BPSPAGE,'BPSCRT W $C(13)  S BPSPAGE=BPSPAGE+1  ;  ; Write the report header.  ;  W "View Pharmacy Rx Report",?70,"Page: ",BPSPAGE,!  ;  S BPSX=0  F S BPSX=$O(VALMHDR(BPSX)) Q:’BPSX W VALMHDR(BPSX),!  W BPSDASHES  ;  HEADERQ ;  Q | | | | | | | | |

| Subroutine Name | **HELP^BPSVRX3** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US209 | | | | | | | |
| Related Menu Options or ListMan Actions | BPS RPT VIEW ECME RX | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| SELECT1^BPSVRX3 | | | n/a | | | | |
| 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 | | | | | | | | |
| n/a | | | | | | | | |
| 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 !  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 | | | | | | | | |

# 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 entries from file# 101, PROTOCOL:
  + BPS VRX NAV PRINT REPORT
  + VALM BLANK 1
  + VALM BLANK 2
  + VALM BLANK 3
* Modify entry in file# 101, PROTOCOL:
  + BPS VIEW ECME RX MENU
    - Delete from the list of Actions the above action protocol.
* Modify one entry in file# 409.61, LIST TEMPLATE:
  + BPS VIEW ECME RX
    - Change the BOTTOM MARGIN field from 18 back to 19.