**MCCF EDI TAS US178**

System Design Document



Department of Veterans Affairs

**May 2017**

Version 1.01

**User Story Number:** USRX-167E

**User Story Name:** Claim Log Updates

**Product Backlog ID:** 167

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

**Initial Sizing Estimate:**

**Rational ID:** tbd

**Rally ID:** US178

# Design – Summary

In reviewing the latest NCPDP Implementation Guide (October 2016), it was determined that updates must be made to the VistA files corresponding to Data Elements. This story concerns adding two of these new fields to the *Claim Log* (option View ePharmacy Rx [BPS RPT VIEW ECME RX], CL - Claim Log action) and *Claim Response Inquiry* (option ECME Claims-Response Inquiry [BPS RPT CLAIMS RESPONSE]). The two new fields are **Facility ID Qualifier** (B95-3Z) and **Reconciliation ID** (B98-34).

Components included in this design:

* Routine BPSSCRLG

# Design – Detail

The *Claim Response Inquiry* displays the output of fields in the BPS CLAIMS file #9002313.02 and the BPS RESPONSE file #9002313.02 for the claim selected, similar to a FileMan inquiry. No routine changes are necessary since the 2 new fields previously mentioned have already been added to either of the BPS CLAIMS file #9002313.02 or the BPS RESPONSE file #9002313.02 in other user stories.

The tables below describe how the two fields are being added to the *Claim Log* and *Claim Response Inquiry*.

| Subroutine Name | **DISPCLM^BPSSCRLG** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | | No Change | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT VIEW ECME RX | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| PREPINFO^BPSSCRLG | | | | | $$LINE^BPSSCRU3, $$TRTYPE^BPSSCRU5, $$NFLDT^BPSBUTL, $$FMTE^XLFDT, $$LNDC^BPSSCRU5, $$DIVNAME^BPSSCRDS, $$B1PYRIEN^BPSSCRU5, $$B2PYRIEN^BPSSCRU5 | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | Global Reference | | Local |
| Input Attribute Name and Definition | Name: BPLN  Definition: Line Counter  New  Modify  Delete  No Change  Name: BP59  Definition: ptr to #9002313.59  New  Modify  Delete  No Change  Name: BPIEN02  Definition: IEN to #9002313.02  New  Modify  Delete  No Change  Name: BP57  Definition: ptr to #9002313.57  New  Modify  Delete  No Change  Name: BPSTYPE  Definition: Claim Type - “C”=Claim Request, “R”=Claim Reversal  New  Modify  Delete  No Change  Name: BPSDTALT  Definition: Date claim created | | | | | | | | |
| Output Attribute Name and Definition | Name: none  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| DISPCLM(BPLN,BP59,BPIEN02,BP57,BPSTYPE,BPSDTALT) ;  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4, 21-4=17)  N BPX,BPLN0,BPCNT,BPSTR1,BPSTYP2,BPNFLDT  S BPLN0=BPLN  S BPSTYP2=$S(BPSTYPE="C":"CLAIM REQUEST",BPSTYPE="R":"REVERSAL",1:"")  S BPSTR1="Transmission Information ("\_BPSTYP2\_")(#"\_BPIEN02\_")"  D SETLINE(.BPLN,BPSTR1\_$$LINE^BPSSCRU3(79-$L(BPSTR1),"-"))  D SETLINE(.BPLN,"Created on: "\_$$CREATEDT(BPIEN02,BPSDTALT))  D SETLINE(.BPLN,"VA Claim ID: "\_$P($G(^BPSC(+BPIEN02,0)),U,1))  D SETLINE(.BPLN,"Submitted By: "\_$$SUBMTBY(BP57))  D SETLINE(.BPLN,"Transaction Type: "\_$$TRTYPE^BPSSCRU5($$TRCODE(BPIEN02)))  D SETLINE(.BPLN,"Date of Service: "\_$$DOSCLM(BPIEN02))  ;Display Next Available Fill Date - BPS\*1.0\*15  S BPNFLDT=$$NFLDT^BPSBUTL(BPRXIEN,BPREF,$$RXCOB57(BP57))  D:BPNFLDT SETLINE(.BPLN,"Next Available Fill Date: "\_$$FMTE^XLFDT(BPNFLDT,"2ZM"))  D SETLINE(.BPLN,"NDC Code: "\_$$LNDC^BPSSCRU5(BPIEN02))  D SETLINE(.BPLN,"NCPDP Qty: "\_$$QTY(BPIEN02)\_" "\_$$UNITS(BPIEN02))  D SETLINE(.BPLN,"Days Supply: "\_$$DAYSSUPL(BPIEN02))  D SETLINE(.BPLN,"Division: "\_$$DIV(BP57))  D SETLINE(.BPLN,"NPI#: "\_$$NPI(BPIEN02))  D SETLINE(.BPLN,"ECME Pharmacy: "\_$$DIVNAME^BPSSCRDS($$LDIV(BP57)))  S BPX="Billed Qty: "\_$$BILLQTY(BP57)\_" "\_$$BILLUNT(BP57)  S BPX=BPX\_" Unit Cost: "\_$$UNTPRICE(BP57)  S BPX=BPX\_" Gross Amt Due: "\_$$TOTPRICE(BPIEN02)  D SETLINE(.BPLN,BPX)  S BPX="Ingredient Cost: "\_$$INGRCST(BPIEN02)  S BPX=BPX\_" Dispensing Fee: "\_$$DISPFEE(BPIEN02)  D SETLINE(.BPLN,BPX)  S BPX="U&C Charge: "\_$$UCCHRG(BPIEN02)  S BPX=BPX\_" Admin Fee: "\_$$ADMNFEE(BPIEN02)  D SETLINE(.BPLN,BPX)  D SETLINE(.BPLN,"")  D SETLINE(.BPLN,"Insurance Name: "\_$$INSUR57(BP57))  D SETLINE(.BPLN,"Group Name: "\_$$GRPNM(BPIEN02))  D SETLINE(.BPLN,"Rx Coordination of Benefits: "\_$$RXCOB57(BP57))  D SETLINE(.BPLN,"Pharmacy Plan ID: "\_$$PHPLANID(BP57))  D SETLINE(.BPLN,"BIN: "\_$$BIN(BPIEN02))  D SETLINE(.BPLN,"PCN: "\_$$PCN(BPIEN02))  D SETLINE(.BPLN,"NCPDP Version: "\_$$GETVER(BPIEN02))  D SETLINE(.BPLN,"Group ID: "\_$$GRPID(BPIEN02))  D SETLINE(.BPLN,"Cardholder ID: "\_$$CRDHLDID(BPIEN02))  D SETLINE(.BPLN,"Patient Relationship Code: "\_$$PATRELSH(BPIEN02))  D SETLINE(.BPLN,"Cardholder First Name: "\_$$CRDHLDFN(BPIEN02,BP57))  D SETLINE(.BPLN,"Cardholder Last Name: "\_$$CRDHLDLN(BPIEN02,BP57))  F BPCNT=BPLN:1:BPLN0+BPSCRLNS D SETLINE(.BPLN,"")  S BPLN0=BPLN  D SETLINE(.BPLN,"Billing Request Payer Sheet: "\_$$B1PYRIEN^BPSSCRU5(BP57))  D SETLINE(.BPLN,"Reversal Payer Sheet: "\_$$B2PYRIEN^BPSSCRU5(BP57))  D SETLINE(.BPLN,"")  Q | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| DISPCLM(BPLN,BP59,BPIEN02,BP57,BPSTYPE,BPSDTALT) ;  ;  ; Moved to ^BPSSCRL1 for sake of space  ;  D DISPCLM^BPSSCRL1  Q  ; | | | | | | | | | |

The changes for this caused the routine BPSSCRLG to exceed the SACC maximum size so a new routine, BPSSCRL1 was created and DISPCLM, DISPRSP and PREPINFO were moved to the new routine tables below shows the code that was moved from DISPCLM^BPSSCRLG to DISPCLM^BPSSCRL1.

| Subroutine Name | **DISPCLM^BPSSCRL1** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | | No Change | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT VIEW ECME RX | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | Subroutine Calls | | | | |
| DISPCLM^BPSSCRLG | | | | SETLINE^BPSSCRLG, LINE^BPSSCRU3, CREATEDT^BPSSCRLG, SUBMTBY^BPSSCRLG, TRTYPE^BPSSCRU5, TRCODE^BPSSCRLG, DOSCLM^BPSSCRLG, NFLDT^BPSBUTL, FMTE^XLFDT, LNDC^BPSSCRU5, QTY^BPSSCRLG, UNITS^BPSSCRLG, DAYSSUPL^BPSSCRLG, DIV^BPSSCRLG, NPI^BPSSCRLG, DIVNAME^BPSSCRDS, BILLUNIT^BPSSCRLG, BILLQTY^BPSSCRLG, UNTPRICE^BPSSCRLG, TOTPRICE^BPSSCRLG, INGRCST^BPSSCRLG, DISPFEE^BPSSCRLG, UCCHRG^BPSSCRLG, ADMNFEE^BPSSCRLG, INSUR57^BPSSCRLG, GRPNM^BPSSCRLG, RXCOB57^BPSSCRLG, PHPLANID^BPSSCRLG, BIN^BPSSCRLG, PCN^BPSSCRLG, GETVER^BPSSCRLG, GRPID^BPSSCRLG, PATRELSH^BPSSCRLG, CRDHLDFN^BPSSCRLG, CRDHLDLN^BPSSCRLG, FACIDQ^BPSSCRLG, B1PYRIEN^BPSSCRU5, | | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | | Both | Global Reference | | Local |
| Input Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A – new routine | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| ;display claim record DISPCLM(BPLN,BP59,BPIEN02,BP57,BPSTYPE,BPSDTALT) ;  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4, 21-4=17)  N BPX,BPLN0,BPCNT,BPSTR1,BPSTYP2,BPNFLDT  S BPLN0=BPLN  S BPSTYP2=$S(BPSTYPE="C":"CLAIM REQUEST",BPSTYPE="R":"REVERSAL",1:"")  S BPSTR1="Transmission Information ("\_BPSTYP2\_")(#"\_BPIEN02\_")"  D SETLINE^BPSSCRLG(.BPLN,BPSTR1\_$$LINE^BPSSCRU3(79-$L(BPSTR1),"-"))  D SETLINE^BPSSCRLG(.BPLN,"Created on: "\_$$CREATEDT^BPSSCRLG(BPIEN02,BPSDTALT))  D SETLINE^BPSSCRLG(.BPLN,"VA Claim ID: "\_$P($G(^BPSC(+BPIEN02,0)),U,1))  D SETLINE^BPSSCRLG(.BPLN,"Submitted By: "\_$$SUBMTBY^BPSSCRLG(BP57))  D SETLINE^BPSSCRLG(.BPLN,"Transaction Type: "\_$$TRTYPE^BPSSCRU5($$TRCODE^BPSSCRLG(BPIEN02)))  D SETLINE^BPSSCRLG(.BPLN,"Date of Service: "\_$$DOSCLM^BPSSCRLG(BPIEN02))  ;Display Next Available Fill Date - BPS\*1.0\*15  S BPNFLDT=$$NFLDT^BPSBUTL(BPRXIEN,BPREF,$$RXCOB57^BPSSCRLG(BP57))  D:BPNFLDT SETLINE^BPSSCRLG(.BPLN,"Next Available Fill Date: "\_$$FMTE^XLFDT(BPNFLDT,"2ZM"))  D SETLINE^BPSSCRLG(.BPLN,"NDC Code: "\_$$LNDC^BPSSCRU5(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"NCPDP Qty: "\_$$QTY^BPSSCRLG(BPIEN02)\_" "\_$$UNITS^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Days Supply: "\_$$DAYSSUPL^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Division: "\_$$DIV^BPSSCRLG(BP57))  D SETLINE^BPSSCRLG(.BPLN,"NPI#: "\_$$NPI^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"ECME Pharmacy: "\_$$DIVNAME^BPSSCRDS($$LDIV^BPSSCRLG(BP57)))  S BPX="Billed Qty: "\_$$BILLQTY^BPSSCRLG(BP57)\_" "\_$$BILLUNT^BPSSCRLG(BP57)  S BPX=BPX\_" Unit Cost: "\_$$UNTPRICE^BPSSCRLG(BP57)  S BPX=BPX\_" Gross Amt Due: "\_$$TOTPRICE^BPSSCRLG(BPIEN02)  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX="Ingredient Cost: "\_$$INGRCST^BPSSCRLG(BPIEN02)  S BPX=BPX\_" Dispensing Fee: "\_$$DISPFEE^BPSSCRLG(BPIEN02)  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX="U&C Charge: "\_$$UCCHRG^BPSSCRLG(BPIEN02)  S BPX=BPX\_" Admin Fee: "\_$$ADMNFEE^BPSSCRLG(BPIEN02)  D SETLINE^BPSSCRLG(.BPLN,BPX)  D SETLINE^BPSSCRLG(.BPLN,"")  D SETLINE^BPSSCRLG(.BPLN,"Insurance Name: "\_$$INSUR57^BPSSCRLG(BP57))  D SETLINE^BPSSCRLG(.BPLN,"Group Name: "\_$$GRPNM^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Rx Coordination of Benefits: "\_$$RXCOB57^BPSSCRLG(BP57))  D SETLINE^BPSSCRLG(.BPLN,"Pharmacy Plan ID: "\_$$PHPLANID^BPSSCRLG(BP57))  D SETLINE^BPSSCRLG(.BPLN,"BIN: "\_$$BIN^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"PCN: "\_$$PCN^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"NCPDP Version: "\_$$GETVER^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Group ID: "\_$$GRPID^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Cardholder ID: "\_$$CRDHLDID^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Patient Relationship Code: "\_$$PATRELSH^BPSSCRLG(BPIEN02))  D SETLINE^BPSSCRLG(.BPLN,"Cardholder First Name: "\_$$CRDHLDFN^BPSSCRLG(BPIEN02,BP57))  D SETLINE^BPSSCRLG(.BPLN,"Cardholder Last Name: "\_$$CRDHLDLN^BPSSCRLG(BPIEN02,BP57)) **; BPS\*1\*22  D SETLINE^BPSSCRLG(.BPLN,"Facility ID Qualifier: "\_$$FACIDQ^BPSSCRLG(BPIEN02))**  F BPCNT=BPLN:1:BPLN0+BPSCRLNS D SETLINE^BPSSCRLG(.BPLN,"")  S BPLN0=BPLN  D SETLINE^BPSSCRLG(.BPLN,"Billing Request Payer Sheet: "\_$$B1PYRIEN^BPSSCRU5(BP57))  D SETLINE^BPSSCRLG(.BPLN,"Reversal Payer Sheet: "\_$$B2PYRIEN^BPSSCRU5(BP57))  D SETLINE^BPSSCRLG(.BPLN,"VA Claim ID: "\_$P($G(^BPSC(+BPIEN02,0)),U,1))  D SETLINE^BPSSCRLG(.BPLN,"")  Q  ; | | | | | | | | | |

A new tag was created to get the data for the Facility ID Qualifier, which is described below.

| Subroutine Name | **FACIDQ^BPSSCRLG** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | | No Change | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT VIEW ECME RX | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| DISPCLM^BPSSCRL1 | | | | | n/a | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | Global Reference | | Local |
| Input Attribute Name and Definition | Name: BPIEN02  Definition: IEN to #9002313.02  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name: $$FACIDQ  Definition: Facility ID Qualifier  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| ;Facility ID and Facility ID Qualifier - BPS\*1\*22 FACIDQ(BPEIN02);  Q $P($G(^BPSC(BPIEN02,400,1,”B90”)),U,5)  ; | | | | | | | | | |

The tables below shows the code that was moved from DISPRSP^BPSSCRLG to DISPRSP^BPSSCRLG along with the call to get the Reconciliation ID.

| Subroutine Name | **DISPRSP^BPSSCRLG** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | ☐ New | | ☒ Modify | ☐ Delete | | | ☐ No Change | | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT CLAIMS RESPONSE | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| PREPINFO^BPSSCRLG | | | | | DISPRSP^BPSSCRL1 | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name: BPLN  Definition: Line Counter  New  Modify  Delete  No Change  Name: BP59  Definition: ptr to #9002313.59  New  Modify  Delete  No Change  Name: BPIEN03  Definition: IEN to #9002313.03  New  Modify  Delete  No Change  Name: BP57  Definition: ptr to #9002313.57  New  Modify  Delete  No Change  Name: BPSTYPE  Definition: Claim Type - “C”=Claim Request, “R”=Claim Reversal  New  Modify  Delete  No Change  Name: BPSDTALT  Definition: Date response received  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name: none  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| DISPRSP(BPLN,BP59,BPIEN03,BP57,BPSTYPE,BPSDTALT) ;  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4,21-4=17)  N BPX,BPLN0,BPCNT,BPRJCDS,BPRJ,BPSTR1,BPSTYP2,BDUR,BMSG,PTRESP  S BPLN0=BPLN  S BPSTYP2=$S(BPSTYPE="C":"CLAIM REQUEST",BPSTYPE="R":"REVERSAL",1:"")  S BPSTR1="Response Information ("\_BPSTYP2\_")(#"\_BPIEN03\_")"  D SETLINE(.BPLN,BPSTR1\_$$LINE^BPSSCRU3(79-$L(BPSTR1),"-"))  D SETLINE(.BPLN,"Response Received: "\_$$RESPREC(BPIEN03,BPSDTALT))  D SETLINE(.BPLN,"Date of Service: "\_$$DOSRSP(BPIEN03))  D SETLINE(.BPLN,"Transaction Response Status: "\_$$RESPSTAT^BPSSCRU5(BPIEN03))  D SETLINE(.BPLN,"Total Amount Paid: $"\_$$TOTAMNT(BPIEN03))  D SETLINE(.BPLN,"Ingredient Cost Paid: $"\_$$ICPAID(BPIEN03)\_" Dispensing Fee Paid: $"\_$$DFPAID(BPIEN03))  S PTRESP=$$PTRESP(BPIEN03) S PTRESP=$S(PTRESP="":"$",PTRESP="0.00":"$0",1:"($"\_PTRESP\_")")  D SETLINE(.BPLN,"Patient Resp (INS): "\_PTRESP)  D SETLINE(.BPLN,"Reject code(s): ")  D REJCODES^BPSSCRU5(BPIEN03,.BPRJCDS)  S BPRJ=""  F S BPRJ=$O(BPRJCDS(BPRJ)) Q:BPRJ="" D  . D SETLINE(.BPLN," "\_$$GETRJNAM^BPSSCRU3(BPRJ))  D WRAPLN^BPSSCRU5(.BPLN,$$MESSAGE(BPIEN03),76,"Payer Message: ",5)  D ADDMESS(BPIEN03,1,.BPADDMSG)  S BMSG="" F S BMSG=$O(BPADDMSG(BMSG)) Q:BMSG="" D  . D WRAPLN^BPSSCRU5(.BPLN,BPADDMSG(BMSG),76,$S(BMSG=1:"Payer Additional Message: ",1:" "),5)  D SETLINE(.BPLN,"Reason for Service Code: "\_$$DURREAS(BPIEN03))  D SETLINE(.BPLN,"DUR Text: "\_$$DURTEXT(BPIEN03))  D WRAPLN^BPSSCRU5(.BPLN,$$DURADD(BPIEN03),76,"DUR Additional Text: ",5)  ; BPS\*1\*18: Print Claim Log [BPS PRTCL USRSCR CLAIM LOG] (when included in the incoming response)  D SETLINE(.BPLN,"HPID/OEID: "\_$$HPID(BPIEN03,BP57))  F BPCNT=1:1:2 D SETLINE(.BPLN,"")  Q | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| DISPRSP(BPLN,BP59,BPIEN03,BP57,BPSTYPE,BPSDTALT) ;  ;  ; Moved to ^BPSSCRL1 for sake of space  ;  D DISPRSP^BPSSCRL1  Q  ; | | | | | | | | | |

| Subroutine Name | **DISPRSP^BPSSCRL1** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT CLAIMS RESPONSE | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| DISPRSP^BPSSCRLG | | | | | SETLINE^BPSSCRLG, LINE^BPSSCRU3, RESPREC^BPSSCRLG, DOSRSP^BPSSCLRG, RESPSTAT^BPSSCRU5,TOTAMNT^BPSSCRLG, ICPAID^BPSSCRLG, PTRESP^BPSSCRLG, RECONID^BPSSCRLG,REJCODES^BPSSCRU5, GETRJNAM^BPSSCRU3, WRAPLN^BPSSCRU5, MESSAGE^BPSSCRLG, ADDMESS^BPSSCLRG, DURREAS^BPSSCRLG, DURTEXT^BPSSCRLG,DURADD^BPSSCRLG, HPID^BPSSCRLG | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name: BPLN  Definition: Line Counter  New  Modify  Delete  No Change  Name: BP59  Definition: ptr to #9002313.59  New  Modify  Delete  No Change  Name: BPIEN03  Definition: IEN to #9002313.03  New  Modify  Delete  No Change  Name: BP57  Definition: ptr to #9002313.57  New  Modify  Delete  No Change  Name: BPSTYPE  Definition: Claim Type - “C”=Claim Request, “R”=Claim Reversal  New  Modify  Delete  No Change  Name: BPSDTALT  Definition: Date response received  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A – new routine | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| ;display response record DISPRSP(BPLN,BP59,BPIEN03,BP57,BPSTYPE,BPSDTALT) ;  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4, 21-4=17)  N BPX,BPLN0,BPCNT,BPRJCDS,BPRJ,BPSTR1,BPSTYP2,BDUR,BMSG,PTRESP  S BPLN0=BPLN  S BPSTYP2=$S(BPSTYPE="C":"CLAIM REQUEST",BPSTYPE="R":"REVERSAL",1:"")  S BPSTR1="Response Information ("\_BPSTYP2\_")(#"\_BPIEN03\_")"  D SETLINE^BPSSCRLG(.BPLN,BPSTR1\_$$LINE^BPSSCRU3(79-$L(BPSTR1),"-"))  D SETLINE^BPSSCRLG(.BPLN,"Response Received: "\_$$RESPREC^BPSSCRLG(BPIEN03,BPSDTALT))  D SETLINE^BPSSCRLG(.BPLN,"Date of Service: "\_$$DOSRSP^BPSSCRLG(BPIEN03))  D SETLINE^BPSSCRLG(.BPLN,"Transaction Response Status: "\_$$RESPSTAT^BPSSCRU5(BPIEN03))  D SETLINE^BPSSCRLG(.BPLN,"Total Amount Paid: $"\_$$TOTAMNT^BPSSCRLG(BPIEN03))  D SETLINE^BPSSCRLG(.BPLN,"Ingredient Cost Paid: $"\_$$ICPAID^BPSSCRLG(BPIEN03)\_" Dispensing Fee Paid: $"\_$$DFPAID^BPSSCRLG(BPIEN03))  S PTRESP=$$PTRESP^BPSSCRLG(BPIEN03) S PTRESP=$S(PTRESP="":"$",PTRESP="0.00":"$0",1:"($"\_PTRESP\_")")  D SETLINE^BPSSCRLG(.BPLN,"Patient Resp (INS): "\_PTRESP) **; BPS\*1\*22  D SETLINE^BPSSCRLG(.BPLN,"Reconciliation ID: "\_$$RECONID^BPSSCRLG(BPIEN03))**  D SETLINE^BPSSCRLG(.BPLN,"Reject code(s): ")  D REJCODES^BPSSCRU5(BPIEN03,.BPRJCDS)  S BPRJ=""  F  S BPRJ=$O(BPRJCDS(BPRJ)) Q:BPRJ=""  D  . D SETLINE^BPSSCRLG(.BPLN," "\_$$GETRJNAM^BPSSCRU3(BPRJ))  D WRAPLN^BPSSCRU5(.BPLN,$$MESSAGE^BPSSCRLG(BPIEN03),76,"Payer Message: ",5)  D ADDMESS^BPSSCRLG(BPIEN03,1,.BPADDMSG)  S BMSG="" F  S BMSG=$O(BPADDMSG(BMSG)) Q:BMSG=""  D  . D WRAPLN^BPSSCRU5(.BPLN,BPADDMSG(BMSG),76,$S(BMSG=1:"Payer Additional Message: ",1:" "),5)  D SETLINE^BPSSCRLG(.BPLN,"Reason for Service Code: "\_$$DURREAS^BPSSCRLG(BPIEN03))  D SETLINE^BPSSCRLG(.BPLN,"DUR Text: "\_$$DURTEXT^BPSSCRLG(BPIEN03))  D WRAPLN^BPSSCRU5(.BPLN,$$DURADD^BPSSCRLG(BPIEN03),76,"DUR Additional Text: ",5)  ; BPS\*1\*18: Print Claim Log [BPS PRTCL USRSCR CLAIM LOG] (when included in the incoming response)  D SETLINE^BPSSCRLG(.BPLN,"HPID/OEID: "\_$$HPID^BPSSCRLG(BPIEN03,BP57))  F BPCNT=1:1:2 D SETLINE^BPSSCRLG(.BPLN,"")  Q  ; | | | | | | | | | |

A new tag was created to get the data for the Reconciliation ID, which is described below.

| Subroutine Name | **RECONID^BPSSCRLG** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT CLAIMS RESPONSE | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| DISPRSP^BPSSCRL1 | | | | | n/a | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name: BPIEN03  Definition: IEN to #9002313.03  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name: $$RECONID  Definition: Reconciliation ID  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| RECONID(BPEIN03); Reconciliation ID – BPS\*1\*22  Q $P($G(^BPSR(BPIEN03,1000,1,”B98”)),U,1) | | | | | | | | | |

The tables below shows the code that was moved from PREPINFO^BPSSCRLG to PREPINFO^BPSSCRL1.

| Subroutine Name | **PREPINFO^BPSSCRLG** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT CLAIMS RESPONSE | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| INIT^BPSSCRLG | | | | | n/a | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| ;input:  ; BPDFN: patient ien #2  ; BP36: insurance ien #36  ; BP59: ptr to #9002313.59  ; returns # of lines PREPINFO(BPLN,BPDFN,BP36,BP59) ;  N BPSECME  I '$G(BP59) Q 0  I '$G(BP36) Q 0  I '$G(BPDFN) Q 0  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4, 21-4=17)  N BPX,BPRXIEN,BPRXN,BPREF,BP1,BPLSTCLM,BPLSTRSP,BPDAT59,BPUSR,BPSTRT,BPHIST,BPQ  N BPDT,BPLN0,BPCNT,DFN,VADM  S DFN=BPDFN D DEM^VADPT  S BP1=$$RXREF^BPSSCRU2(BP59)  S BPRXIEN=$P(BP1,U,1)  S BPRXN=$$RXNUM^BPSSCRU2(+BPRXIEN)  S BPREF=$P(BP1,U,2)  S BPDAT59(0)=$G(^BPST(BP59,0))  ;create history  D MKHIST^BPSSCRU5(BP59,.BPHIST)  ;  S BPLN0=BPLN  D SETLINE(.BPLN,"Pharmacy ECME Log")  D SETLINE(.BPLN,"")  S BPX=$$RJ^BPSSCR02("Rx #: ",20)\_BPRXN\_"/"\_BPREF  S BPSECME=$$ECMENUM^BPSSCRU2(BP59)  S BPX=BPX\_$$RJ^BPSSCR02("ECME #: ",20)\_BPSECME  D SETLINE(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Drug: ",20)\_$$DRGNAM^BPSSCRU2($$GETDRG59^BPSSCRU2(BP59))  D SETLINE(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Patient: ",20)  S BPX=BPX\_$$LJ^BPSSCR02($$PATNAME^BPSSCRU2(BPDFN)\_" "\_$$SSN4^BPSSCRU2(BPDFN),25)  S BPX=BPX\_$$LJ^BPSSCR02("Sex: "\_$P($G(VADM(5)),"^",1),10)  S BPX=BPX\_$$LJ^BPSSCR02("DOB: "\_$P($G(VADM(3)),"^",2)\_"("\_$G(VADM(4))\_")",20)  D SETLINE(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Transaction Number: ",20)  S BPX=BPX\_$P($G(^BPST(BP59,0)),U,1)  D SETLINE(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Last Submitted: ",20)  S BPSTRT=$P(BPDAT59(0),U,11) ;@# need to check with analyst if this is a START DATE  I BPSTRT]"" S BPX=BPX\_$$DATETIME^BPSSCRU5(BPSTRT)  D SETLINE(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Last Submitted By: ",20)  S BPUSR=$P(BPDAT59(0),U,10)  I BPUSR]"" S BPX=BPX\_$$GETUSRNM^BPSSCRU1(BPUSR)  D SETLINE(.BPLN,BPX)  ;  ;latest claim  S BP1=+$O(BPHIST("C",99999999),-1)  I BP1=0 D SETLINE(.BPLN,""),SETLINE(.BPLN,"------ No electronic claims ------") Q BPLN  S BP1=+$O(BPHIST("C",BP1,0))  S BPX=$$RJ^BPSSCR02("Last VA Claim #: ",20)\_$P($G(^BPSC(+BP1,0)),U,1)  D SETLINE(.BPLN,BPX)  F BPCNT=BPLN:1:BPLN0+BPSCRLNS D SETLINE(.BPLN,"")  ;process history  N BPTYPE,BPIEN,BPIENRS  S BPDT=99999999  F  S BPDT=$O(BPHIST("C",BPDT),-1) Q:+BPDT=0 D  . S BPIEN=+$O(BPHIST("C",BPDT,0)) Q:BPIEN=""  . D DISPCLM(.BPLN,BP59,BPIEN,+BPHIST("C",BPDT,BPIEN),$P(BPHIST("C",BPDT,BPIEN),U,2),BPDT)  . S BPIENRS=0  . F  S BPIENRS=$O(BPHIST("C",BPDT,BPIEN,"R",BPIENRS)) Q:+BPIENRS=0 D  . . D DISPRSP(.BPLN,BP59,BPIENRS,+BPHIST("C",BPDT,BPIEN,"R",BPIENRS),$P(BPHIST("C",BPDT,BPIEN,"R",BPIENRS),U,2),BPDT)  . . D DISPPYR(.BPLN,BPIENRS)  Q BPLN  ; | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| PREPINFO(BPLN,BPDFN,BP36,BP59) ;  ;input:  ; BPDFN: patient ien #2  ; BP36: insurance ien #36  ; BP59: ptr to #9002313.59  ; returns # of lines  ;  ; Moved to ^BPSSCRL1 for sake of space  ;  Q $$PREPINFO^BPSSCRL1(BPLN,BPDFN,BP36,BP59)  ; | | | | | | | | | |

| Subroutine Name | **PREPINFO^BPSSCRL1** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | | Modify | Delete | | | No Change | | |
| Story | US178 (Rally ID) | | | | | | | | |
| Related Options | BPS RPT CLAIMS RESPONSE | | | | | | | | |
| Related Routines | Subroutine is Called By | | | | | Subroutine Calls | | | |
| PREPINFO^BPSSCRLG | | | | | n/a | | | |
| Data Dictionary (DD) References | None | | | | | | | | |
| Related Protocols | None | | | | | | | | |
| Related Integration Control Registrations (ICRs) | None | | | | | | | | |
| Data Passing | Input | Output Reference | | | Both | | | Global Reference | Local |
| Input Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | | |
| Current Logic | | | | | | | | | |
| N/A – new routine | | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | | |
| PREPINFO(BPLN,BPDFN,BP36,BP59) ;  ;input:  ; BPDFN: patient ien #2  ; BP36: insurance ien #36  ; BP59: ptr to #9002313.59  ; returns # of lines  N BPSECME  I '$G(BP59) Q 0  I '$G(BP36) Q 0  I '$G(BPDFN) Q 0  N BPSCRLNS S BPSCRLNS=17 ;(see "BPS LSTMN LOG" LM template: Bottom=21, Top = 4, 21-4=17)  N BPX,BPRXIEN,BPRXN,BPREF,BP1,BPLSTCLM,BPLSTRSP,BPDAT59,BPUSR,BPSTRT,BPHIST,BPQ  N BPDT,BPLN0,BPCNT,DFN,VADM  S DFN=BPDFN D DEM^VADPT  S BP1=$$RXREF^BPSSCRU2(BP59)  S BPRXIEN=$P(BP1,U,1)  S BPRXN=$$RXNUM^BPSSCRU2(+BPRXIEN)  S BPREF=$P(BP1,U,2)  S BPDAT59(0)=$G(^BPST(BP59,0))  ;create history  D MKHIST^BPSSCRU5(BP59,.BPHIST)  ;  S BPLN0=BPLN  D SETLINE^BPSSCRLG(.BPLN,"Pharmacy ECME Log")  D SETLINE^BPSSCRLG(.BPLN,"")  S BPX=$$RJ^BPSSCR02("Rx #: ",20)\_BPRXN\_"/"\_BPREF  S BPSECME=$$ECMENUM^BPSSCRU2(BP59)  S BPX=BPX\_$$RJ^BPSSCR02("ECME #: ",20)\_BPSECME  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Drug: ",20)\_$$DRGNAM^BPSSCRU2($$GETDRG59^BPSSCRU2(BP59))  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Patient: ",20)  S BPX=BPX\_$$LJ^BPSSCR02($$PATNAME^BPSSCRU2(BPDFN)\_" "\_$$SSN4^BPSSCRU2(BPDFN),25)  S BPX=BPX\_$$LJ^BPSSCR02("Sex: "\_$P($G(VADM(5)),"^",1),10)  S BPX=BPX\_$$LJ^BPSSCR02("DOB: "\_$P($G(VADM(3)),"^",2)\_"("\_$G(VADM(4))\_")",20)  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Transaction Number: ",20)  S BPX=BPX\_$P($G(^BPST(BP59,0)),U,1)  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Last Submitted: ",20)  S BPSTRT=$P(BPDAT59(0),U,11) ;@# need to check with analyst if this is a START DATE  I BPSTRT]"" S BPX=BPX\_$$DATETIME^BPSSCRU5(BPSTRT)  D SETLINE^BPSSCRLG(.BPLN,BPX)  S BPX=$$RJ^BPSSCR02("Last Submitted By: ",20)  S BPUSR=$P(BPDAT59(0),U,10)  I BPUSR]"" S BPX=BPX\_$$GETUSRNM^BPSSCRU1(BPUSR)  D SETLINE^BPSSCRLG(.BPLN,BPX)  ;  ;latest claim  S BP1=+$O(BPHIST("C",99999999),-1)  I BP1=0 D SETLINE^BPSSCRLG(.BPLN,""),SETLINE^BPSSCRLG(.BPLN,"------ No electronic claims ------") Q BPLN  S BP1=+$O(BPHIST("C",BP1,0))  S BPX=$$RJ^BPSSCR02("Last VA Claim #: ",20)\_$P($G(^BPSC(+BP1,0)),U,1)  D SETLINE^BPSSCRLG(.BPLN,BPX)  F BPCNT=BPLN:1:BPLN0+BPSCRLNS D SETLINE^BPSSCRLG(.BPLN,"")  ;process history  N BPTYPE,BPIEN,BPIENRS  S BPDT=99999999  F  S BPDT=$O(BPHIST("C",BPDT),-1) Q:+BPDT=0 D  . S BPIEN=+$O(BPHIST("C",BPDT,0)) Q:BPIEN=""  . D DISPCLM(.BPLN,BP59,BPIEN,+BPHIST("C",BPDT,BPIEN),$P(BPHIST("C",BPDT,BPIEN),U,2),BPDT)  . S BPIENRS=0  . F  S BPIENRS=$O(BPHIST("C",BPDT,BPIEN,"R",BPIENRS)) Q:+BPIENRS=0 D  . . D DISPRSP(.BPLN,BP59,BPIENRS,+BPHIST("C",BPDT,BPIEN,"R",BPIENRS),$P(BPHIST("C",BPDT,BPIEN,"R",BPIENRS),U,2),BPDT)  . . D DISPPYR^BPSSCRLG(.BPLN,BPIENRS)  Q BPLN  ; | | | | | | | | | |

# Back Out / Rollback Procedure

This story does not include adding or changing data fields in any VistA files, so no rollback of data would be necessary if this enhancement needed to be backed out.

To back out this enhancement, the routine ^BPSSCRLG should be backed up prior to installing this patch. Reverting to the previous version of this routine would back out this enhancement. Alternately, the previous version of this routine could be distributed via an emergency patch.