**MCCF EDI TAS US1907**

System Design Document



Department of Veterans Affairs

**September 2017**

Version 1.0

**User Story Number:** US1907

**User Story Name:** Date Range in Change View In Addition to Number of Days

**Product Backlog ID:**

**Backlog Priority:**

**Initial Sizing Estimate:**

**Rational ID:** tbd

**Rally ID:** US1907

**Epic Taxonomy:** Update

# Design – Summary

List of Components:

* Routine: BPSSCRCV
* Routine: BPSSCRSL
* Routine: BPSSCR01
* Routine: BPSSCRU1

# Design – Detail

Add a new user prompt that will allow the user to select to display either an Activity Date Range or Timeframe. If Activity Date Range was selected, prompt the user for Activity Beginning and Ending Date. Add new fields in order to store what the user entered at the new prompts.

| Subroutine Name | **EDITPROF^BPSSCRCV** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | No Change | |
| Story | US1907 | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | |
| CV^BPSSCRCV | | | $$DS^BPSSCRDS, $$EDITRX^BPSSCRPR, $$INSURSEL^BPSSCRCU | | | |
| Related Integration Control Registrations (ICRs) |  | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPARR  Definition: User Profile Array – Parameter Definition “BPS USRSCR”  New  Modify  Delete  No Change  Name: BPDUZ7  Definition: DUZ  New  Modify  Delete  No Change | | | | | | |
| Output Attribute Name and Definition | Name: BPARR  Definition: User Profile Array – Parameter Definition “BPS USRSCR”  New  Modify  Delete  No Change  Name: BPDUZ7  Definition: DUZ  New  Modify  Delete  No Change | | | | | | |
| Current Logic | | | | | | | |
| BPSSCRCV ;BHAM ISC/SS - ECME SCREEN CHANGE VIEW ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,5,7,11,14,20,22\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  Q  ;\*\*\*\*  ;This software is using PARAMETER TOOLS (see XT\*7.3\*26) to store user's settings:  ;PARAMETER DEFINITION NAME="BPS USRSCR" (file #8989.51, IA# 2263)  ;ENTITY is "USR" , i.e. IEN in ^VA(200 -- see definition for "BPS USRSCR"  ;INSTANCEs are as follows:  ;1.01 ONE/ALL USERS --'U' ONE USER, 'A' ALL; Display claims for ONE or ALL users   ;1.02 ONE/ALL PATIENTS --'P' FOR ONE PATIENT; 'A' FOR ALL; Display claims for ONE/ALL PATIENTS   ;1.03 ONE/ALL RX --'R' FOR ONE RX; 'A' FOR ALL; Display claims for ONE or ALL RX   ;1.04 HOURS/DAYS -- 'D' FOR DAYS; 'H' FOR HOURS; Use HOURS or DAYS to specify timeframe   ;1.05 TIMEFRAME -- NUMBER Depends on the value of the field "USR SCR HOURS/DAYS" this field will  ;store the default number of HOURS from NOW or DAYS from TODAY to select claims to display   ;1.06 REJECTED/PAYABLE --'R' FOR REJECTS; 'P' FOR PAYABLES; 'U' FOR UNSTRANDED; 'A' FOR ALL; Display Rejects or Payables or Unstranded or ALL claims   ;1.07 RELEASED/NOT RELEASED --'R' FOR RELEASED; 'N' FOR NON-RELEASED; 'A' FOR ALL; Display Released Rxs or Non-Released Rxs or ALL   ;1.08 CMOP/MAIL/WINDOW --'C' FOR CMOP; 'M' FOR MAIL;'W' FOR WINDOW;'A' FOR ALL; Display CMOP or Mail or Window or ALL Rxs   ;1.09 REALTIME/BACKBILL --'R' FOR REALTIME; 'B' FOR BACKBILLS; 'P' FOR PRO Option; 'S' FOR ECME User Screen Resubmits;  ; 'A' FOR ALL; Display RealTime, Backbills, PRO Option, Resubmission, or ALL  ;1.1 REJECT CODE/ALL --'R' FOR REJECT CODE; 'A' FOR ALL; Display Specific Reject Code or ALL Reject  ;Codes 0 means ALL Reject Codes otherwise - Reject Code value   ;1.11 SPECIFIC/ALL INSURANCES --'I' FOR SPECIFIC INSURANCE(S);'A' FOR ALL; Display Specific Insurance Company(s) or All null - ALL otherwise - pointer to INSURANCE COMPANY file #36   ;1.12 SORT LIST --'T' FOR TRANSACTION DATE;'D' FOR DIVISION; 'I' FOR INSURANCE; 'C' FOR REJECT CODE;   ;'P' FOR PATIENT NAME -- 'N' FOR DRUG NAME; 'B' FOR BILL TYPE (BB/P2/RT/RS); 'L' FOR FILL LOCATION;  ;'R' FOR RELEASED/NON-RELEASED -- 'A' FOR ACTIVE/DISCONTINUED; the field used to sort claims in the list   ;1.13 ALL ECME PHARMACY DIVISIONS --'D' FOR DIVISION; 'A' FOR ALL;   ;1.14 SELECTED INSURANCE -- Single, or multiple, insurance(s) to select claims for the User Screen, to store INSURANCE COMPANY pointer (#36)   ;1.15 SELECTED REJECTED CODE --POINTER TO BPS NCPDP REJECT CODES FILE (#9002313.93) Reject code selected by the user to filter claims.  ;1.16 SELECTED USER -- POINTER TO NEW PERSON FILE (#200) Selected user for the user screen   ;1.17 SELECTED PATIENT -- POINTER TO PATIENT FILE (#2) Selected patient for the User Screen   ;1.18 SELECTED RX -- POINTER TO PRESCRIPTION FILE (#52) Selected RX   ;1.19 NON-BILLABLE TRI/CVA ENTRIES OPEN/CLOSED/ALL -- 'O' Open; 'C' Closed; 'A' All  ;2 ECME PHARMACY DIVISION -- the list of POINTERs TO BPS PHARMACIES FILE (#9002313.56) separated by ";"  ;should start and end with ";", example: ";4;5;"  ;2.01 ELIGIBILITY TYPE --'V' FOR VETERAN;'T' FOR TRICARE;'C' FOR CHAMPVA;'A' FOR ALL; Display claims for specific Eligibility Type or ALL (BNT BPS\*1.0\*7)  ;2.02 OPEN/CLOSED/ALL --'O' OPEN CLAIMS;'C' CLOSED CLAIMS;'A' FOR ALL; Display Open, Closed, or ALL claims (BNT BPS\*1.0\*7)  ;2.03 SUBMISSION TYPE --'B' BILLING REQUESTS;'R' REVERSALS;'A' FOR ALL; Display specific submission type claims or ALL (BNT BPS\*1.0\*7)  ;2.04 INSURANCES -- List of POINTERs to the INSURANCE COMPANY FILE (#36) separated by ";"  ;should start and end with ";", example: ";4;5;"  ;NOTE: use D ^XPAREDIT to add/edit values  ;  ;\*\*\*\*\* . . .  EDITPROF(BPARR,BPDUZ7) ;  I +$G(DUZ)=0 D ERRMSG("Unknown User") Q  N BP1,BPTF,BPQ,BPINP  N BPRET  N DIR,DR,DIE,DA  ;get ONE/ALL USERS?  ;EDITFLD(FILENO,FLDNO,RECIEN,CODESET,PRMTMSG,DFLTCODE) ;  S BPRET=$$DS^BPSSCRDS(.BPARR,+BPDUZ7) ;get divisions  Q:BPRET=-2 ;quit due to timeout or ^  Q:$$EDITFLD(2.01,+BPDUZ7,"S^V:VETERAN;T:TRICARE;C:CHAMPVA;A:ALL","Select Certain Eligibility Type or (A)ll","V",.BPARR)=-1  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.01,+BPDUZ7,"S^U:ONE USER;A:ALL","Display One ECME (U)ser or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.16,+BPDUZ7,"P^VA(200,","Select User","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.02,+BPDUZ7,"S^P:ONE PATIENT;A:ALL","Display One (P)atient or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.17,+BPDUZ7,"P^DPT(","Select Patient","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.03,+BPDUZ7,"S^R:ONE RX;A:ALL","Display One (R)x or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITRX^BPSSCRPR(1.18,+BPDUZ7,"Select RX","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  S BPINP=$$EDITFLD(1.04,+BPDUZ7,"S^D:DAYS;H:HOURS","Activity Timeframe (H)ours or (D)ays","DAYS",.BPARR)  I BPINP=-1 Q  ;quit due to timeout or ^  S BPTF=$P(BPINP,U,2)  Q:$$EDITFLD(1.05,+BPDUZ7,"N^1:999:0","Activity Timeframe Value",$S(BPTF="H":24,1:7),.BPARR)=-1  Q:$$EDITFLD(2.02,+BPDUZ7,"S^O:OPEN CLAIMS;C:CLOSED CLAIMS;A:ALL","Select Open/Closed or All Claims","O",.BPARR)=-1  Q:$$EDITFLD(1.19,+BPDUZ7,"S^O:Open Non-Billable Entries;C:Closed Non-Billable Entries;A:ALL","Display (O)pen or (C)losed or (A)ll Non-Billable Entries","A",.BPARR)=-1  Q:$$EDITFLD(2.03,+BPDUZ7,"S^B:BILLING REQUESTS;R:REVERSALS;A:ALL","Select Submission Type","A",.BPARR)=-1  Q:$$EDITFLD(1.06,+BPDUZ7,"S^R:REJECTS;P:PAYABLES;U:UNSTRANDED;A:ALL","Display (R)ejects or (P)ayables or (U)nstranded or (A)LL","REJECTS",.BPARR)=-1  Q:$$EDITFLD(1.07,+BPDUZ7,"S^R:RELEASED;N:NON-RELEASED;A:ALL","Display (R)eleased Rxs or (N)on-Released Rxs or (A)LL","RELEASED",.BPARR)=-1  Q:$$EDITFLD(1.08,+BPDUZ7,"S^C:CMOP;M:MAIL;W:WINDOW;A:ALL","Display (C)MOP or (M)ail or (W)indow or (A)LL","ALL",.BPARR)=-1  Q:$$EDITFLD(1.09,+BPDUZ7,"S^R:REALTIME;B:BACKBILLS;P:PRO OPTION;S:RESUBMISSION;A:ALL","Display (R)ealTime, (B)ackbills, (P)RO Option, Re(S)ubmission or (A)LL","ALL",.BPARR)=-1  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.1,+BPDUZ7,"S^R:REJECT CODE;A:ALL","Display Specific (R)eject Code or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.15,+BPDUZ7,"P^BPSF(9002313.93,","Select Reject Code","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  Q:$$INSURSEL^BPSSCRCU(.BPARR,+BPDUZ7)=-1  Q  ; | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | |
| BPSSCRCV ;BHAM ISC/SS - ECME SCREEN CHANGE VIEW ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,5,7,11,14,20,22,23\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  Q  ;\*\*\*\*  ;This software is using PARAMETER TOOLS (see XT\*7.3\*26) to store user's settings:  ;PARAMETER DEFINITION NAME="BPS USRSCR" (file #8989.51, IA# 2263)  ;ENTITY is "USR" , i.e. IEN in ^VA(200 -- see definition for "BPS USRSCR"  ;INSTANCEs are as follows:  ;1.01 ONE/ALL USERS --'U' ONE USER, 'A' ALL; Display claims for ONE or ALL users   ;1.02 ONE/ALL PATIENTS --'P' FOR ONE PATIENT; 'A' FOR ALL; Display claims for ONE/ALL PATIENTS   ;1.03 ONE/ALL RX --'R' FOR ONE RX; 'A' FOR ALL; Display claims for ONE or ALL RX  ;1.031 DATE RANGE/TIMEFRAME -- 'D' FOR DATE RANGE; 'T' FOR TIMEFRAME;  ;1.032 ACTIVITY BEGINNING DATE – Beginning Date of the Date Range  ;1.033 ACTIVITY ENDING DATE – Ending Date of the Date Range  ;1.04 HOURS/DAYS -- 'D' FOR DAYS; 'H' FOR HOURS; Use HOURS or DAYS to specify timeframe   ;1.05 TIMEFRAME -- NUMBER Depends on the value of the field "USR SCR HOURS/DAYS" this field will  ;store the default number of HOURS from NOW or DAYS from TODAY to select claims to display   ;1.06 REJECTED/PAYABLE --'R' FOR REJECTS; 'P' FOR PAYABLES; 'U' FOR UNSTRANDED; 'A' FOR ALL; Display Rejects or Payables or Unstranded or ALL claims   ;1.07 RELEASED/NOT RELEASED --'R' FOR RELEASED; 'N' FOR NON-RELEASED; 'A' FOR ALL; Display Released Rxs or Non-Released Rxs or ALL   ;1.08 CMOP/MAIL/WINDOW --'C' FOR CMOP; 'M' FOR MAIL;'W' FOR WINDOW;'A' FOR ALL; Display CMOP or Mail or Window or ALL Rxs   ;1.09 REALTIME/BACKBILL --'R' FOR REALTIME; 'B' FOR BACKBILLS; 'P' FOR PRO Option; 'S' FOR ECME User Screen Resubmits;  ; 'A' FOR ALL; Display RealTime, Backbills, PRO Option, Resubmission, or ALL  ;1.1 REJECT CODE/ALL --'R' FOR REJECT CODE; 'A' FOR ALL; Display Specific Reject Code or ALL Reject  ;Codes 0 means ALL Reject Codes otherwise - Reject Code value   ;1.11 SPECIFIC/ALL INSURANCES --'I' FOR SPECIFIC INSURANCE(S);'A' FOR ALL; Display Specific Insurance Company(s) or All null - ALL otherwise - pointer to INSURANCE COMPANY file #36   ;1.12 SORT LIST --'T' FOR TRANSACTION DATE;'D' FOR DIVISION; 'I' FOR INSURANCE; 'C' FOR REJECT CODE;   ;'P' FOR PATIENT NAME -- 'N' FOR DRUG NAME; 'B' FOR BILL TYPE (BB/P2/RT/RS); 'L' FOR FILL LOCATION;  ;'R' FOR RELEASED/NON-RELEASED -- 'A' FOR ACTIVE/DISCONTINUED; the field used to sort claims in the list   ;1.13 ALL ECME PHARMACY DIVISIONS --'D' FOR DIVISION; 'A' FOR ALL;   ;1.14 SELECTED INSURANCE -- Single, or multiple, insurance(s) to select claims for the User Screen, to store INSURANCE COMPANY pointer (#36)   ;1.15 SELECTED REJECTED CODE --POINTER TO BPS NCPDP REJECT CODES FILE (#9002313.93) Reject code selected by the user to filter claims.  ;1.16 SELECTED USER -- POINTER TO NEW PERSON FILE (#200) Selected user for the user screen   ;1.17 SELECTED PATIENT -- POINTER TO PATIENT FILE (#2) Selected patient for the User Screen   ;1.18 SELECTED RX -- POINTER TO PRESCRIPTION FILE (#52) Selected RX   ;1.19 NON-BILLABLE TRI/CVA ENTRIES OPEN/CLOSED/ALL -- 'O' Open; 'C' Closed; 'A' All  ;2 ECME PHARMACY DIVISION -- the list of POINTERs TO BPS PHARMACIES FILE (#9002313.56) separated by ";"  ;should start and end with ";", example: ";4;5;"  ;2.01 ELIGIBILITY TYPE --'V' FOR VETERAN;'T' FOR TRICARE;'C' FOR CHAMPVA;'A' FOR ALL; Display claims for specific Eligibility Type or ALL (BNT BPS\*1.0\*7)  ;2.02 OPEN/CLOSED/ALL --'O' OPEN CLAIMS;'C' CLOSED CLAIMS;'A' FOR ALL; Display Open, Closed, or ALL claims (BNT BPS\*1.0\*7)  ;2.03 SUBMISSION TYPE --'B' BILLING REQUESTS;'R' REVERSALS;'A' FOR ALL; Display specific submission type claims or ALL (BNT BPS\*1.0\*7)  ;2.04 INSURANCES -- List of POINTERs to the INSURANCE COMPANY FILE (#36) separated by ";"  ;should start and end with ";", example: ";4;5;"  ;NOTE: use D ^XPAREDIT to add/edit values  ;  ;\*\*\*\*\* . . .  EDITPROF(BPARR,BPDUZ7) ;  I +$G(DUZ)=0 D ERRMSG("Unknown User") Q  N BP1,BPACT,BPTF,BPQ,BPINP  N BPRET  N DIR,DR,DIE,DA  ;get ONE/ALL USERS?  ;EDITFLD(FILENO,FLDNO,RECIEN,CODESET,PRMTMSG,DFLTCODE) ;  S BPRET=$$DS^BPSSCRDS(.BPARR,+BPDUZ7) ;get divisions  Q:BPRET=-2 ;quit due to timeout or ^  Q:$$EDITFLD(2.01,+BPDUZ7,"S^V:VETERAN;T:TRICARE;C:CHAMPVA;A:ALL","Select Certain Eligibility Type or (A)ll","V",.BPARR)=-1  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.01,+BPDUZ7,"S^U:ONE USER;A:ALL","Display One ECME (U)ser or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.16,+BPDUZ7,"P^VA(200,","Select User","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.02,+BPDUZ7,"S^P:ONE PATIENT;A:ALL","Display One (P)atient or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.17,+BPDUZ7,"P^DPT(","Select Patient","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.03,+BPDUZ7,"S^R:ONE RX;A:ALL","Display One (R)x or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITRX^BPSSCRPR(1.18,+BPDUZ7,"Select RX","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  ; Prompt the user to select Display Activity Date Range or Timeframe.  S BPINP=$$ACTTYP()  Q:BPINP=-1 ;quit due to timeout or ^  ;  S BPACT=BPINP  S BPQ=0  ;  ; If Date Range was selected, prompt for Activity Beginning and Ending Date.  I BPACT="D" D  . ; Clear out Timeframe parameters.  . S (BPARR(1.04),BPARR(1.05))=""  . ;  . S BPINP=$$BEGDATE()  . I BPINP=-1 S BPQ=-1 Q  . S BPINP=$$ENDDATE()  . I BPINP=-1 S BPQ=-1 Q  Q:BPQ=-1 ;quit due to timeout or ^   ;  ; If Timeframe was selected, prompt for Days or Hours and Activity Timeframe Value.  I BPACT="T" D  . ; Clear out Date Range Parameters.  . S (BPARR(1.031),BPARR(1.032),BPARR(1.033))=""  . ;  . S BPINP=$$EDITFLD(1.04,+BPDUZ7,"S^D:DAYS;H:HOURS","Activity Timeframe (H)ours or (D)ays","DAYS",.BPARR)  . I BPINP=-1 S BPQ=-1 Q  . S BPTF=$P(BPINP,U,2)  . S BPINP=$$EDITFLD(1.05,+BPDUZ7,"N^1:180:0","Activity Timeframe Value",$S(BPTF="H":24,1:7),.BPARR)  . I BPINP=-1 S BPQ=-1 Q  Q:BPQ=-1 ;quit due to timeout or ^  ;  Q:$$EDITFLD(2.02,+BPDUZ7,"S^O:OPEN CLAIMS;C:CLOSED CLAIMS;A:ALL","Select Open/Closed or All Claims","O",.BPARR)=-1  Q:$$EDITFLD(1.19,+BPDUZ7,"S^O:Open Non-Billable Entries;C:Closed Non-Billable Entries;A:ALL","Display (O)pen or (C)losed or (A)ll Non-Billable Entries","A",.BPARR)=-1  Q:$$EDITFLD(2.03,+BPDUZ7,"S^B:BILLING REQUESTS;R:REVERSALS;A:ALL","Select Submission Type","A",.BPARR)=-1  Q:$$EDITFLD(1.06,+BPDUZ7,"S^R:REJECTS;P:PAYABLES;U:UNSTRANDED;A:ALL","Display (R)ejects or (P)ayables or (U)nstranded or (A)LL","REJECTS",.BPARR)=-1  Q:$$EDITFLD(1.07,+BPDUZ7,"S^R:RELEASED;N:NON-RELEASED;A:ALL","Display (R)eleased Rxs or (N)on-Released Rxs or (A)LL","RELEASED",.BPARR)=-1  Q:$$EDITFLD(1.08,+BPDUZ7,"S^C:CMOP;M:MAIL;W:WINDOW;A:ALL","Display (C)MOP or (M)ail or (W)indow or (A)LL","ALL",.BPARR)=-1  Q:$$EDITFLD(1.09,+BPDUZ7,"S^R:REALTIME;B:BACKBILLS;P:PRO OPTION;S:RESUBMISSION;A:ALL","Display (R)ealTime, (B)ackbills, (P)RO Option, Re(S)ubmission or (A)LL","ALL",.BPARR)=-1  S BPQ=0 F  D  Q:BPQ'=0  . S BPINP=$$EDITFLD(1.1,+BPDUZ7,"S^R:REJECT CODE;A:ALL","Display Specific (R)eject Code or (A)LL","ALL",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)="A" BPQ=1 I BPQ'=0 Q  . S BPINP=$$EDITFLD(1.15,+BPDUZ7,"P^BPSF(9002313.93,","Select Reject Code","",.BPARR)  . S:BPINP=-1 BPQ=-1 S:$P(BPINP,U,2)'="" BPQ=1 I BPQ'=0 Q  Q:BPQ=-1 ;quit due to timeout or ^  Q:$$INSURSEL^BPSSCRCU(.BPARR,+BPDUZ7)=-1  Q  ; | | | | | | | |

Add a new subroutine that will prompt the user to select display the Activity Date Range or Timeframe. This prompt will be required and will not have a default.

| Subroutine Name | **ACTTYP^BPSSCRCV** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EDITPROF^BPSSCRCV | | | 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:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| N/A – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| ACTTYP() ; Prompt the user to select Display Activity Date Range or Timeframe.  ; The user is required to select D or T and there is no default value.  ;  N DIR,DIROUT,DIRUT,DTOUT,DUOUT,X,Y S DIR(0)=”S^D:Date Range;T:Timeframe”   S DIR("A")="Display Activity (D)ate Range or (T)imeframe?"  S DIR("?",1)=""  S DIR("?",2)=" Date Range will allow a user to specify an activity beginning and end date."  S DIR("?")=" Timeframe will allow a user to specify the activity by days or hours."  D ^DIR  ;  ;quit due to timeout or ^  I $D(DIRUT) Q -1  ;  S BPARR(1.031)=Y  Q PARR(1.031)  ; | | | | | | | | |

If the user selected to Display Activity Date Range the user will need to input a range of dates. A new subroutine BEGDATE^BPSSCRCV will be added in order to allow the user to enter an Activity Beginning Date.

| Subroutine Name | **BEGDATE^BPSSCRCV** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EDITPROF^BPSSCRCV | | | 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:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| N/A – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BEGDATE() ; Enter Activity Beginning Date when Date Range is selected  N DIR,DIROUT,DIRUT,DTOUT,DUOUT,X,Y BEGDATE1 ;  S DIR(0)="D"  S DIR("A")="Activity Beginning Date"  S DIR("?",1)=""  S DIR("?")=" Enter a date which is less than or equal to "\_$$FMTE^XLFDT($$NOW^XLFDT(),"D")  D ^DIR  ;  ;quit due to timeout or ^  I $D(DIRUT) Q -1  ;  I Y>$$NOW^XLFDT() W !," Enter a date less than or equal to "\_$$FMTE^XLFDT($$NOW^XLFDT(),"D"),! G BEGDATE1  ;  W " (",Y(0),")"   S BPARR(1.032)=Y  Q BPARR(1.032)  ; | | | | | | | | |

If the user selected to Display Activity Date Range the user will need to input a range of dates. A new subroutine ENDDATE^BPSSCRCV will be added in order to allow the user to enter an Activity Ending Date.

| Subroutine Name | **ENDDATE^BPSSCRCV** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| EDITPROF^BPSSCRCV | | | 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:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name:  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| N/A – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| ENDDATE() ; Enter Activity Ending Date when Date Range is selected  N DIR,DIROUT,DIRUT,DTOUT,DUOUT,X,Y ENDDATE1 ;  S DIR(0)="D"  S DIR("A")="Activity Ending Date"  S DIR("?",1)=""   S DIR("?")=" Enter a date which is no more than 180 days after the Beginning Date."  D ^DIR  ;  ;quit due to timeout or ^  I $D(DIRUT) Q -1  ;  I Y<BPARR(1.032) W !,"Ending Date precedes Beginning Date.",! G ENDDATE1  ;  I $$FMDIFF^XLFDT(Y,BPARR(1.032))>180 W !,"Date range exceeds 180 day limit. Select an Ending Date no more than 180 days",!,"after the Beginning Date.",! G ENDDATE1  ;  W " (",Y(0),")"  S BPARR(1.033)=Y  Q BPARR(1.033)  ; | | | | | | | | |

The new fields 1.031, 1.032, and 1.033 needs to be added to BPFLDNO in order for them to be included in the return the profile information.

| Subroutine Name | **READPROF^BPSSCRSL** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| INIT^BPSSCR01,  CV^BPSSCRCV | | | $$GETPARAM | | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPDUZ7  Definition: DUZ  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPARRAY  Definition: to return back profile information  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| BPSSCRSL ;BHAM ISC/SS - ECME SCREEN SORT LIST ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,7,11,20,22\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  ;  ;This software is using PARAMETER TOOLS (see XT\*7.3\*26) to store user's settings:  ;PARAMETER DEFINITION NAME="BPS USRSCR" (file #8989.51, IA# 2263)  ;ENTITY is "USR" , i.e. IEN in ^VA(200 -- see definition for "BPS USRSCR"  ;INSTANCEs are as follows:  ;1.01 ONE/ALL USERS --'U' ONE USER, 'A' ALL; Display claims for ONE or ALL users   ;1.02 ONE/ALL PATIENTS --'P' FOR ONE PATIENT; 'A' FOR ALL; Display claims for ONE/ALL PATIENTS   ;1.03 ONE/ALL RX --'R' FOR ONE RX; 'A' FOR ALL; Display claims for ONE or ALL RX   ;1.04 HOURS/DAYS -- 'D' FOR DAYS; 'H' FOR HOURS; Use HOURS or DAYS to specify timeframe   ;1.05 TIMEFRAME -- NUMBER Depends on the value of the field "USR SCR HOURS/DAYS" this field will  ;store the default number of HOURS from NOW or DAYS from TODAY to select claims to display  . . .  ;read profile information (used in other routines as well)  ;input:  ;BPDUZ7 - DUZ  ;input/output:  ;BPARRAY - to return back profile information, as reference  ;see description in the top of the routine  READPROF(BPARRAY,BPDUZ7) ;  N RETV,RETARR,BPFLDNO,BPDIV,BP1  N RECIENS  S RECIENS=BPDUZ7\_","  F BPFLDNO=1.01,1.02,1.03,1.04,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,1.19,2.01,2.02,2.03,2.04 D  . S RETV=$$GETPARAM(BPFLDNO,+BPDUZ7)  . S BPARRAY(BPFLDNO)=RETV  I BPARRAY(1.13)="D" D  . S BPARRAY("DIVS")=$$GETPARAM(2,+BPDUZ7)  I BPARRAY(1.11)="I" D  . S BPARRAY("INS")=$$GETPARAM(2.04,+BPDUZ7)  Q  ; | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| BPSSCRSL ;BHAM ISC/SS - ECME SCREEN SORT LIST ;05-APR-05  ;;1.0;E CLAIMS MGMT ENGINE;\*\*1,7,11,20,22,23\*\*;JUN 2004;Build 27  ;;Per VA Directive 6402, this routine should not be modified.  ;USER SCREEN  ;  ;This software is using PARAMETER TOOLS (see XT\*7.3\*26) to store user's settings:  ;PARAMETER DEFINITION NAME="BPS USRSCR" (file #8989.51, IA# 2263)  ;ENTITY is "USR" , i.e. IEN in ^VA(200 -- see definition for "BPS USRSCR"  ;INSTANCEs are as follows:  ;1.01 ONE/ALL USERS --'U' ONE USER, 'A' ALL; Display claims for ONE or ALL users   ;1.02 ONE/ALL PATIENTS --'P' FOR ONE PATIENT; 'A' FOR ALL; Display claims for ONE/ALL PATIENTS   ;1.03 ONE/ALL RX --'R' FOR ONE RX; 'A' FOR ALL; Display claims for ONE or ALL RX  ;1.031 DATE RANGE/TIMEFRAME -- 'D' FOR DATE RANGE; 'T' FOR TIMEFRAME;  ;1.032 ACTIVITY BEGINNING DATE – Beginning Date of the Date Range  ;1.033 ACTIVITY ENDING DATE – Ending Date of the Date Range   ;1.04 HOURS/DAYS -- 'D' FOR DAYS; 'H' FOR HOURS; Use HOURS or DAYS to specify timeframe   ;1.05 TIMEFRAME -- NUMBER Depends on the value of the field "USR SCR HOURS/DAYS" this field will  ;store the default number of HOURS from NOW or DAYS from TODAY to select claims to display  . . .  ;read profile information (used in other routines as well)  ;input:  ;BPDUZ7 - DUZ  ;input/output:  ;BPARRAY - to return back profile information, as reference  ;see description in the top of the routine  READPROF(BPARRAY,BPDUZ7) ;  N RETV,RETARR,BPFLDNO,BPDIV,BP1  N RECIENS  S RECIENS=BPDUZ7\_","  F BPFLDNO=1.01,1.02,1.03,1.031,1.032,1.033,1.04,1.05,1.06,1.07,1.08,1.09,1.1,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,1.19,2.01,2.02,2.03,2.04 D  . S RETV=$$GETPARAM(BPFLDNO,+BPDUZ7)  . S BPARRAY(BPFLDNO)=RETV  I BPARRAY(1.13)="D" D  . S BPARRAY("DIVS")=$$GETPARAM(2,+BPDUZ7)  I BPARRAY(1.11)="I" D  . S BPARRAY("INS")=$$GETPARAM(2.04,+BPDUZ7)  Q  ; | | | | | | | | |

The report header will show the date range if activity date range was selected.

| Subroutine Name | **$$GETVDETS^BPSSCR01** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| HDR^BPSCMT  HDR^BPSSCR01 | | | $$LJ^BPPSCR02 | | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPARR  Definition: User Profile Array – Parameter Definition “BPS USRSCR”  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: N/A  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| GETVDETS(BPARR) ;\*/  N BPSTR  I $G(BPARR(1.01))="A" S BPSTR=$$LJ^BPSSCR02("Transmitted by ALL users",31)  E  S BPSTR=$$LJ^BPSSCR02("Transmitted by "\_$$GETUSRNM^BPSSCRU1($G(BPARR(1.16))),31)  S BPSTR=BPSTR\_$$LJ^BPSSCR02(" Activity Date Range: within the past "\_$G(BPARR(1.05))\_$S($G(BPARR(1.04))="H":" hour(s)",1:" day(s)"),49)  Q BPSTR | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| GETVDETS(BPARR) ;\*/  N BPSTR  I $G(BPARR(1.01))="A" S BPSTR=$$LJ^BPSSCR02("Transmitted by ALL users",31)  E  S BPSTR=$$LJ^BPSSCR02("Transmitted by "\_$$GETUSRNM^BPSSCRU1($G(BPARR(1.16))),31)  ; If Date Range was selected display the Activity Beginning and Ending Dates.  I $G(BPARR(1.031))="D" S BPSTR=BPSTR\_$$LJ^BPSSCR02("Activity Date Range: "\_$$FMTE^XLFDT(BPARR(1.032))\_" - "\_$$FMTE^XLFDT(BPARR(1.033)),61)  ;  ; If Timeframe was selected display the number of hours or days.  E S BPSTR=BPSTR\_$$LJ^BPSSCR02(" Activity Date Range: within the past "\_$G(BPARR(1.05))\_$S($G(BPARR(1.04))="H":" hour(s)",1:" day(s)"),49)  Q BPSTR | | | | | | | | |

In subroutine GETDT^BPSSCRU1 will need to be modified in order to handle the Activity Beginning and Ending Date if activity date range was selected.

| Subroutine Name | **GETDT^BPSSCRU1** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | | Delete | | No Change | |
| Story | US1907 | | | | | | | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | This Subroutine Calls | | | | |
| INIT^BPSSCR01 | | | NOW^%DTC,  $$FMADD^XLFDT | | | | |
| Related Integration Control Registrations (ICRs) | N/A | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPROF  Definition: store user profile info  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPROF(“BDT”)  Definition: start datetime in FM format  New  Modify  Delete  No Change  Name: BPROF(“EDT”)  Definition: end datetime in FM format  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| ;get date/time range  ;input:  ; BPROF - to store usre profile info  ;output:  ; BPROF("BDT") - start datetime in FM format  ; BPROF("EDT") - end datetime in FM format  GETDT(BPROF) ;  N BPNOW,X,BPHORL,%  D NOW^%DTC S BPNOW=%  I ($G(BPROF(1.04))'="D")&($G(BPROF(1.04))'="H") S BPROF(1.04)="D"  I +$G(BPROF(1.05))=0 S BPROF(1.05)=1  I $G(BPROF(1.04))="D" D  . S BPROF("BDT")=$$FMADD^XLFDT(BPNOW\1,-$G(BPROF(1.05)))-0.000001  . S BPROF("EDT")=(BPNOW\1)+0.9  I $G(BPROF(1.04))="H" D  . S BPROF("BDT")=$$FMADD^XLFDT(BPNOW,0,-$G(BPROF(1.05)))  . S BPROF("EDT")=BPNOW  Q 1  ; | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| ;get date/time range  ;input:  ; BPROF - to store us~~r~~er profile info  ;output:  ; BPROF("BDT") - start datetime in FM format  ; BPROF("EDT") - end datetime in FM format  GETDT(BPROF) ;  N BPNOW,X~~,BPHORL~~,%  ; If the user selected Display Activity Date Range.   I $G(BPROF(1.031))="D" D  Q 1  . ; Adds seconds to the beginning date (BPROF(1.032)-1) in order  . ; to pick up everything for that beginning date.  . ; Example: BPROF(1.032)=3170901, BPROF("BDT")=3170900.999999  . ;  . S BPROF("BDT")=$G(BPROF(1.032))-0.000001  . ;  . ; Adds seconds to the ending date (BPROF(1.033)) in order  . ; to pick up everything for the ending date.  . ; Example: BPROF(1.033)=3170906, BPROF("BDT")=3170906.9  . ;  . S BPROF("EDT")=$G(BPROF(1.033))+0.9  ;  ; If the user selected Display Timeframe.   I $G(BPROF(1.031))="T" D  . D NOW^%DTC S BPNOW=%   . I ($G(BPROF(1.04))'="D")&($G(BPROF(1.04))'="H") S BPROF(1.04)="D"  . I +$G(BPROF(1.05))=0 S BPROF(1.05)=1  . I $G(BPROF(1.04))="D" D  . . S BPROF("BDT")=$$FMADD^XLFDT(BPNOW\1,-$G(BPROF(1.05)))-0.000001  . . S BPROF("EDT")=(BPNOW\1)+0.9  . I $G(BPROF(1.04))="H" D  . . S BPROF("BDT")=$$FMADD^XLFDT(BPNOW,0,-$G(BPROF(1.05)))  . . S BPROF("EDT")=BPNOW  Q 1  ; | | | | | | | | |

# 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.