**MCCF EDI TAS US177**

System Design Document



Department of Veterans Affairs

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Version 1.03

**User Story Number:** UXRX-167D

**User Story Name:** ECS Edit Claim Submitted

**Product Backlog ID:** 167

**Priority:** 29

**Initial Sizing Estimate:**

**Rational ID:**

**Rally ID:** US177

**Epic Taxonomy:** Update

# Design – Summary

A claim request sent from VistA to a payer currently includes only those fields indicated by the payer sheet provided by the payer. This story calls for giving the user the ability to add to the claim additional fields not on the payer sheet when resubmitting a claim. Much of the logic making this possible will be added by US399 (part of Build 3).

A new action, ECS / Edit Claim Submitted, will be added to several hidden action menus. When the user performs this action, the system will allow the user to select one or more fields to be added to the claim which are not already on the payer sheet and which are not “stubs” (fields that have no logic for pulling values). The system will display the values to be sent on the claim, and the user will be able to confirm whether or not to include that field. The list of fields added to the claim will be stored in the ADDL NCPDP FIELD sub-file on the file BPS NCPDP OVERRIDE. The values to be sent will not be stored at that time.

Because the various screens to which the new action will be added use different variables, two new action protocols will be created, both of which will call ECS^PSOBPSU3 but use different variables to pass the prescription number and refill into this subroutine.

Please refer to the SDD for US399 for a more detailed description of how the additional fields are added to the claim during the claim submission process.

List of Components:

* Routine: BPSPSOU1
* Routine: BPSRES
* Routine: BPSRES1
* Routine: PSOBPSU1
* Routine: PSOBPSU3
* List Template: PSO REJECT DISPLAY - RESOLVED
* Menu Protocol: PSO HIDDEN ACTIONS
* Menu Protocol: PSO HIDDEN ACTIONS #6
* Menu Protocol: PSO REJECT DISPLAY HIDDEN MENU
* Menu Protocol: PSO REJECT TRICARE HIDDEN MENU
* New Action Protocol: PSO EDIT CLAIM SUBMITTED 1
* New Action Protocol: PSO EDIT CLAIM SUBMITTED 2
* Protocol: PSO ACTIVITY LOGS
* Protocol: PSO DISPLAY DRUG ALLERGIES
* Protocol: PSO DRUG RESTR/GUIDE INFO
* Protocol: PSO ERX OP PRINT
* Protocol: PSO HOLD
* Protocol: PSO LM BACKDOOR COPY
* Protocol: PSO LM BACKDOOR MARK AS TITRATION
* Protocol: PSO LM BACKDOOR PRTCL USRSCR RESUBMIT
* Protocol: PSO LM BACKDOOR PRTCL USRSCR REVERSE
* Protocol: PSO LM BACKDOOR PRTCL USRSCR VERIFY
* Protocol: PSO LM BACKDOOR TITRATION RX REFILL
* Protocol: PSO LM HIDDEN OTHER #2
* Protocol: PSO LM INPATIENT MEDICATION PROFILE
* Protocol: PSO LM INTERVENTION MENU
* Protocol: PSO PATIENT INFORMATION
* Protocol: PSO PULL ONE RX FROM SUSPENSE
* Protocol: PSO REJECT DISCONTINUE
* Protocol: PSO REJECT DISPLAY ADD COMMENT
* Protocol: PSO REJECT DISPLAY ADDITIONAL INFO
* Protocol: PSO REJECT DISPLAY CLARIFICATION CODE
* Protocol: PSO REJECT DISPLAY OUTSIDE CALL
* Protocol: PSO REJECT DISPLAY PRIOR AUTHORIZATION
* Protocol: PSO REJECT DISPLAY RX EDIT
* Protocol: PSO REJECT DISPLAY SMA
* Protocol: PSO REJECT SUSPENSE DT CALC
* Protocol: PSO REJECT VIEW ECME RX
* Protocol: PSO REPRINT
* Protocol: PSO UNHOLD
* Protocol: PSO VERIFY
* Protocol: VALM DOWN A LINE
* Protocol: VALM FIRST SCREEN
* Protocol: VALM GOTO PAGE
* Protocol: VALM LAST SCREEN
* Protocol: VALM LEFT
* Protocol: VALM NEXT SCREEN
* Protocol: VALM PREVIOUS SCREEN
* Protocol: VALM PRINT LIST
* Protocol: VALM PRINT SCREEN
* Protocol: VALM QUIT
* Protocol: VALM REFRESH
* Protocol: VALM RIGHT
* Protocol: VALM SEARCH LIST
* Protocol: VALM TURN ON/OFF MENUS
* Protocol: VALM UP ONE LINE

# Design – Detail

We will create two new action protocols which will be added to four existing hidden action menu protocols.

New action protocols:

|  |  |
| --- | --- |
| Field Attributes | Values |
| NAME | PSO EDIT CLAIM SUBMITTED 1 |
| ITEM TEXT | Edit Claim Submitted |
| DESCRIPTION | This action protocol allows the user to add to a claim fields not already on the payer sheet. |
| TYPE | Action |
| PACKAGE | OUTPATIENT PHARMACY |
| ENTRY ACTION | D ECS^PSOBPSU3($P(PSOLST(ORN),”^”,2),,1) |

|  |  |
| --- | --- |
| Field Attributes | Values |
| NAME | PSO EDIT CLAIM SUBMITTED 2 |
| ITEM TEXT | Edit Claim Submitted |
| DESCRIPTION | This action protocol allows the user to add to a claim fields not already on the payer sheet. |
| TYPE | Action |
| PACKAGE | OUTPATIENT PHARMACY |
| ENTRY ACTION | D ECS^PSOBPSU3($G(RX),$G(FILL),2) |

The follow are existing hidden action menu protocols. The new action ECS Edit Claim Submitted will be added to each.

|  |  |  |
| --- | --- | --- |
| Field Attributes | Values | |
| NAME | PSO HIDDEN ACTIONS | |
| ITEM TEXT | Outpatient Pharmacy Hidden Actions | |
| ITEM | MNEMONIC | SEQUENCE |
| VALM NEXT SCREEN | + | <blank> |
| VALM PREVIOUS SCREEN | - | <blank> |
| VALM REFRESH | RD | <blank> |
| VALM LAST SCREEN | LS | <blank> |
| VALM FIRST SCREEN | FS | <blank> |
| VALM UP ONE LINE | UP | <blank> |
| VALM DOWN A LINE | DN | <blank> |
| VALM QUIT | QU | <blank> |
| VALM PRINT SCREEN | PS | <blank> |
| VALM PRINT LIST | PT | <blank> |
| VALM TURN ON/OFF MENUS | ADPL | <blank> |
| VALM SEARCH LIST | SL | <blank> |
| VALM RIGHT | > | <blank> |
| VALM LEFT | < | <blank> |
| VALM GOTO PAGE | GO | <blank> |
| PSO ACTIVITY LOGS | AL | 11 |
| PSO VERIFY | VF | 12 |
| PSO LM BACKDOOR COPY | CO | 13 |
| PSO LM BACKDOOR TITRATION RX REFILL | TR | 14 |
| PSO LM BACKDOOR MARK AS TITRATION | TM | 15 |
| PSO REPRINT | RP | 21 |
| PSO HOLD | HD | 22 |
| PSO UNHOLD | UH | 23 |
| PSO PATIENT INFORMATION | PI | 31 |
| PSO PULL ONE RX FROM SUSPENSE | PP | 32 |
| PSO LM INPATIENT MEDICATION PROFILE | IP | 33 |
| PSO LM HIDDEN OTHER #2 | OTH | 34 |
| PSO REJECT DISPLAY OUTSIDE CALL | REJ | 35 |
| PSO LM BACKDOOR PRTCL USRSCR VERIFY | VER | 35.5 |
| PSO LM BACKDOOR PRTCL USRSCR RESUBMIT | RES | 35.7 |
| PSO LM BACKDOOR PRTCL USRSCR REVERSE | REV | 35.8 |
| PSO LM INTERVENTION MENU | IN | 36 |
| PSO DISPLAY DRUG ALLERGIES | DA | 37 |
| PSO DRUG RESTR/GUIDE INFO | DIN | 66 |
| PSO ERX OP PRINT | EP | 67 |
| PSO EDIT CLAIM SUBMITTED 1 | ECS | 70 |

|  |  |  |
| --- | --- | --- |
| Field Attributes | Values | |
| NAME | PSO REJECT DISPLAY HIDDEN MENU | |
| ITEM TEXT | Reject Display Hidden Menu | |
| ITEM | MNEMONIC | SEQUENCE |
| PSO REJECT DISPLAY ADD COMMENT | COM | 1 |
| PSO REJECT DISPLAY CLARIFICATION CODE | CLA | 2 |
| PSO REJECT DISPLAY RX EDIT | ED | 3 |
| PSO REJECT DISCONTINUE | DC | 3.5 |
| PSO REJECT DISPLAY PRIOR AUTHORIZATION | PA | 4 |
| PSO REJECT DISPLAY SMA | SMA | 5 |
| VALM NEXT SCREEN | + | 10 |
| VALM PREVIOUS SCREEN | - | 11 |
| VALM DOWN A LINE | DN | 12 |
| VALM UP ONE LINE | UP | 13 |
| VALM FIRST SCREEN | FS | 16 |
| VALM LAST SCREEN | LS | 17 |
| VALM GOTO PAGE | GO | 18 |
| VALM REFRESH | RD | 19 |
| VALM PRINT SCREEN | PS | 20 |
| VALM PRINT LIST | PT | 21 |
| VALM SEARCH LIST | SL | 22 |
| VALM TURN ON/OFF MENUS | ADPL | 23 |
| VALM QUIT | QU | 24 |
| PSO REJECT DISPLAY ADDITIONAL INFO | ARI | 25 |
| PSO REJECT SUSPENSE DT CALC | SDC | 55 |
| PSO REJECT VIEW ECME RX | VER | 65 |
| PSO EDIT CLAIM SUBMITTED 2 | ECS | 70 |

|  |  |  |
| --- | --- | --- |
| Field Attributes | Values | |
| NAME | PSO REJECT TRICARE HIDDEN MENU | |
| ITEM TEXT | Reject TRICARE/CHAMPVA Hidden Menu | |
| ITEM | MNEMONIC | SEQUENCE |
| PSO REJECT DISPLAY ADD COMMENT | COM | 1 |
| PSO REJECT DISPLAY CLARIFICATION CODE | CLA | 2 |
| PSO REJECT DISPLAY RX EDIT | ED | 3 |
| PSO REJECT DISPLAY PRIOR AUTHORIZATION | PA | 4 |
| PSO REJECT DISPLAY SMA | SMA | 5 |
| VALM NEXT SCREEN | + | 10 |
| VALM PREVIOUS SCREEN | - | 11 |
| VALM DOWN A LINE | DN | 12 |
| VALM UP ONE LINE | UP | 13 |
| VALM FIRST SCREEN | FS | 16 |
| VALM LAST SCREEN | LS | 17 |
| VALM GOTO PAGE | GO | 18 |
| VALM REFRESH | RD | 19 |
| VALM PRINT SCREEN | PS | 20 |
| VALM PRINT LIST | PT | 21 |
| VALM SEARCH LIST | SL | 22 |
| VALM TURN ON/OFF MENUS | ADPL | 23 |
| VALM QUIT | QU | 24 |
| PSO REJECT DISPLAY ADDITIONAL INFO | ARI | 25 |
| PSO REJECT SUSPENSE DT CALC | SDC | 55 |
| PSO REJECT VIEW ECME RX | VER | 65 |
| PSO EDIT CLAIM SUBMITTED 2 | ECS | 70 |

The hidden actions menu on the Reject Information (RESOLVED) screen is also used by several other screens. We wish to add the ECS action to the Reject Information (RESOLVED) screen but not to those other screens. To accomplish this, we will create a new hidden actions menu – PSO HIDDEN ACTIONS #6 – and modify the List Template for the Reject Information (RESOLVED) screen to make use of this new hidden actions menu.

|  |  |  |
| --- | --- | --- |
| Field Attributes | Values | |
| NAME | PSO HIDDEN ACTIONS #6 | |
| ITEM TEXT | Outpatient Pharmacy Hidden Actions #6 | |
| ITEM | MNEMONIC | SEQUENCE |
| PSO LM INTERVENTION MENU | IN | 10 |
| VALM NEXT SCREEN | + | 11 |
| VALM PREVIOUS SCREEN | - | 12 |
| VALM UP ONE LINE | UP | 13 |
| VALM DOWN A LINE | DN | 14 |
| VALM RIGHT | > | 15 |
| VALM LEFT | < | 16 |
| VALM FIRST SCREEN | FS | 21 |
| VALM LAST SCREEN | LS | 22 |
| VALM GOTO PAGE | GO | 23 |
| VALM REFRESH | RD | 24 |
| VALM PRINT SCREEN | PS | 25 |
| VALM PRINT LIST | PT | 26 |
| VALM SEARCH LIST | SL | 31 |
| VALM TURN ON/OFF MENUS | ADPL | 32 |
| VALM QUIT | QU | 33 |
| PSO REJECT DISPLAY ADDITIONAL INFO | ARI | 34 |
| PSO REJECT VIEW ECME RX | VER | 35 |
| PSO EDIT CLAIM SUBMITTED 2 | ECS | 36 |

|  |  |
| --- | --- |
| List Template | PSO REJECT DISPLAY – RESOLVED |
| HIDDEN ACTION MENU - Before | PSO HIDDEN ACTIONS #1 |
| HIDDEN ACTION MENU - After | PSO HIDDEN ACTIONS #6 |

| Subroutine Name | **ECS^PSOBPSU3** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| n/a | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| ECS(PSORX,PSOFILL,PSOSCREEN) ; Edit Claim to be Submitted.  ;  ; Input: PSORX = Prescription IEN, pointer to file #52, ^PSRX  ; PSOFILL = Refill#. If not passed in, then the user  ; will be prompted to select a fill.  ; PSOSCREEN = 1 if coming from the Medication Profile  ; Screen, 2 if coming from the Reject Info Screen  ;  ; This entry point is associated with the action ECS Edit Claim  ; Submitted. The user is asked to select a date to be used as the  ; date of service on the claim. The user is then able to select  ; one or more NCPDP fields to be added to the claim. The claim is  ; then resubmitted.  ;  N DIR,DIRUT,PSOADDLFLDS,PSOALTXT,PSOCLAIM,PSOCOB,PSODATESELECTED  N PSODOS,PSOELIG,PSOIEN59,PSOQUIT,PSORESPONSE,PSOVALID,PSOVRIEN  S PSOCOB=""  S PSOQUIT=0  ;  I '$D(@(VALMAR)) G ECSQUIT  D FULL^VALM1  ;  ; If Fill was not passed in, then prompt the user to select a fill.  ; If the user exited out or there was not a fill with ECME activity,  ; then exit out.  ;  I $G(PSOFILL)="" D I PSOQUIT=-1 G ECSQUIT  . S PSOFILL=$$FILL(PSORX,DFN)  . I $D(DIRUT) S PSOQUIT=-1 Q  . I PSOFILL="" D  . . W !!,"No claim was ever submitted for this prescription. Cannot resubmit."  . . D PAUSE^VALM1  . . S PSOQUIT=-1  . . Q  . Q  ;  ; Determine the Transaction IEN and Claim IEN.  ;  S PSOIEN59=$$CLAIM^BPSBUTL(PSORX,PSOFILL) ; ICR# 4719  S PSOCLAIM=$P(PSOIEN59,U,2)  S PSOIEN59=$P(PSOIEN59,U,1)  I PSOIEN59=""!(PSOCLAIM="") D G ECSQUIT  . W !!,"No Initial Claim Submission Found - Data Elements are NOT Editable for Re-"  . W !,"Submission"  . D PAUSE^VALM1  . Q  ;  ; Disallow resubmission if Fill or Rx has been deleted.  ;  I $$RXDEL(PSORX,PSOFILL) D G ECSQUIT  . W !!,"The claim cannot be Resubmitted since it has been deleted in Pharmacy."  . D PAUSE^VALM1  . Q  ;  ; $$VAL^BPSPSOU1 performs several checks to determine whether the  ; claim can be resubmitted.  ;  S PSOELIG=$$ELIGDISP^PSOREJP1(PSORX,PSOFILL)  S PSOVALID=$$VAL^BPSPSOU1(PSORX,PSOFILL,PSOELIG,"RES",.PSOCOB,"",1) ; ICR# 6248  I 'PSOVALID G ECSQUIT  ;  W !!,"Enter ^ at any prompt to exit"  ;  ; If there is an unresolved reject for this Rx/Fill, ask user to  ; confirm that they wish to resolve the reject and resubmit a claim.  ;  S PSOQUIT=0  I $$FIND^PSOREJUT(PSORX,PSOFILL) D I PSOQUIT'=1 G ECSQUIT  . W !!," When you confirm, a new claim will be submitted for"  . W !," the prescription and this REJECT will be marked"  . W !," resolved."  . S PSOQUIT=$$YESNO^PSOREJP3(" Confirm","YES")  . Q  ;  ; Allow user to select a date to use as the Date of Service.  ; PSODATESELECTED will be reset to 1 if the user is prompted to  ; select a date within $$EDITDT and the user selected a date  ; not equal to the Release Date; otherwise it will be left as 0.  ;  S PSOALTXT=""  S PSODATESELECTED=0  S PSODOS=$$EDITDT(PSORX,PSOFILL,PSOCOB,PSOCLAIM,PSOIEN59,.PSOALTXT,.PSODATESELECTED)  I PSODOS="^" G ECSQUIT  ;  ; Allow user to add to the claim additional fields which are  ; not on the payer sheet.  ;  S PSOQUIT=$$ADDLFLDS^BPSRES1(PSOCLAIM,PSOIEN59,.PSOADDLFLDS,$S(PSODATESELECTED:PSODOS,1:"")) ; ICR# tbd  I PSOQUIT=-1 G ECSQUIT  ;  ; If the user did not add any additional NCPDP fields to the claim  ; ('PSOQUIT), and the user did not select a data of service  ; ('PSODATESELECTED), then display a message and Quit.  ;  I 'PSOQUIT,'PSODATESELECTED D G ECSQUIT  . W !!,"No value changed. A claim will not be submitted.",!  . N DIR  . S DIR(0)="E"  . S DIR("A")="Press enter to continue"  . D ^DIR  . Q  ;  ; Require the user to confirm they wish to continue.  ;  W !!,"A claim will be submitted now."  S PSOQUIT=$$YESNO^PSOREJP3("Are you sure (Y/N)","Y")  I PSOQUIT'=1 G ECSQUIT  ;  ; Save the list of additional fields in file# 9002313.511,  ; BPS NCPDP OVERRIDES.  ;  I $D(PSOADDLFLDS) D I PSOQUIT=-1 G ECSQUIT  . S PSOQUIT=$$SAVE^BPSRES1("ECS",PSOIEN59,.PSOADDLFLDS,.PSOVRIEN) ; ICR# tbd  . Q  ;  ; Call ECMESND^PSOBPSU1 to reverse the existing claim and submit a new  ; claim. The additional fields indicated by the user will be added to  ; the claim in XLOOP^BPSOSCF and XLOOP^BPSOSH2.  ;  D ECMESND^PSOBPSU1(PSORX,PSOFILL,PSODOS,"ED","","","RX EDITED","","",.PSORESPONSE,"",PSOALTXT,"","",PSOCOB,$G(PSOVRIEN(1)))  ;  ; If the claim submission was unsuccessful, then PSORESPONSE will  ; not be blank. Display the reason it failed, then quit out.  ;  I $G(PSORESPONSE) D G ECSQUIT  . W !!?10,"Claim could not be submitted. Please try again later!"  . W !,?10,"Reason: ",$S($P(PSORESPONSE,"^",2)="":"UNKNOWN",1:$P(PSORESPONSE,"^",2)),$C(7)  . D PAUSE^VALM1  . Q  ;  ; Conditionally prompt the user "Print Label?". If user wishes to  ; print a label, then either put the Rx on queue to be printed when  ; the user leaves the screen (if on Medication Profile Screen) or  ; print the label now (if on the Reject Info Screen).  ;  I $$PTLBL^PSOREJP2(PSORX,PSOFILL) D  . I PSOSCREEN=1 S PSORX("PSOL",1)=PSORX\_","  . I PSOSCREEN=2 D PRINT^PSOREJP3(PSORX,PSOFILL)  . Q  ;  ; If on the Reject Info Screen, then if the Status Filter  ; (PSOSTFLT) is not "B"oth, set the CHANGE flag to 1, which  ; will cause the screen to be rebuilt.  ;  I PSOSCREEN=2,$D(PSOSTFLT),PSOSTFLT'="B" S CHANGE=1  ;  D PAUSE^VALM1  ;  ECSQUIT ;  ;  S VALMBCK="R"  ;  Q | | | | |

| Subroutine Name | **EDITDT^PSOBPSU3** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| n/a | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| EDITDT(PSORX,PSOFILL,PSOCOB,PSOCLAIM,PSOIEN59,PSOALTXT,PSODATESELECTED) ; Allow user to select Date of Service.  ;  ; Input: PSORX = Prescription IEN, pointer to file# 52, ^PSRX  ; PSOFILL = Refill#. If not passed in, then the user  ; PSOCOB = COB (1=Primary, etc.)  ; PSOCLAIM = Claim IEN, pointer to file# 9002313.02, ^BPSC  ; PSOIEN59 = Transaction IEN, pointer to file# 9002313.59  ;  ; Output: Selected Date of Service, in FileMan format  ; PSOALTXT = Passed by reference; populate if user  ; selects the Release Date  ; PSODATESELECTED = Passed by reference; set to '1' if  ; the user selected a date different from the Release  ; Date.  ;  N DIR,DIRUT,DIROUT,DTOUT,DUOUT  N PSOCLAIM2,PSODATE,PSODATEARRAY,PSODESC,PSOFILLDT  N PSOIEN57,PSORELEASEDT,PSOTEMP,X,Y  ;  ; Determine the Release Date, the Fill Date, and all Dates of Service.  ; In order to present the entire list to the user in chronological  ; order, they will be put into an array.  ;  S PSORELEASEDT=$$RXRLDT^PSOBPSUT(PSORX,PSOFILL)\1  I +PSORELEASEDT=0 D Q DT  . S X=$$FMTE^XLFDT(DT,"5D")  . W !!,"Rx is not released. Date of Service will be ",X,"."  . S PSOALTXT="Date of Service ("\_X\_")"  . Q  S PSODATEARRAY(PSORELEASEDT,3)="Release Date"  S PSOFILLDT=$$RXFLDT^PSOBPSUT(PSORX,PSOFILL)\1  I PSOFILLDT'="" S PSODATEARRAY(PSOFILLDT,1)="Fill Date"  ;  ; Add to the array each Date of Service from all previous Claims,  ; which are identified by looping through all entries in the BPS Log  ; of Transactions file for the current BPS Transaction and pulling  ; the Claim for each entry and the Date of Service for that Claim.  ;  S PSOIEN57=0  F S PSOIEN57=$O(^BPSTL("B",PSOIEN59,PSOIEN57)) Q:'PSOIEN57 D  . S PSOCLAIM2=$$GET1^DIQ(9002313.57,PSOIEN57,3,"I")  . S PSODATE=$$HL7TFM^XLFDT($$GET1^DIQ(9002313.02,PSOCLAIM2,401))  . I PSODATE'="" S PSODATEARRAY(PSODATE,2)="Date of Service"  . Q  ;  ; If the dates are all the same, then the user is not  ; allowed to select a date.  ;  S PSODATE=$O(PSODATEARRAY(""))  I $O(PSODATEARRAY(PSODATE))="" D Q PSODATE  . W !  . S X=0  . F S X=$O(PSODATEARRAY(PSODATE,X)) Q:'X D  . . W !,?10,$$FMTE^XLFDT(PSODATE,"5D")," ",PSODATEARRAY(PSODATE,X)  . . Q  . W !!,"Claim will be submitted with ",$$FMTE^XLFDT(PSODATE,"5D")," Date of Service."  . S PSOALTXT="Date of Service ("\_$$FMTE^XLFDT(PSODATE,"5D")\_")"  . Q  ;  S DIR("?",1)=" Enter a date of service to override the date algorithm."  S DIR("?")=" The date algorithm will use the release date as a default value."  S DIR("A")="Date of Service"  S DIR("B")=1  S DIR(0)="S^"  S Y=0  S PSODATE=0  F S PSODATE=$O(PSODATEARRAY(PSODATE)) Q:'PSODATE D  . S X=0  . F S X=$O(PSODATEARRAY(PSODATE,X)) Q:'X D  . . S Y=Y+1  . . S PSOTEMP(Y)=PSODATE  . . S PSODESC=PSODATEARRAY(PSODATE,X)  . . S DIR(0)=DIR(0)\_Y\_":"\_$$FMTE^XLFDT(PSODATE,"5D")\_" "\_PSODESC\_";"  . . I PSODESC="Release Date" S DIR("B")=Y  . . Q  . Q  ;  D ^DIR  I $D(DIRUT) Q "^"  ;  ; If we get here, the user selected a date. Set the PSODATESELECTED  ; flag to 1 if the user selected a date other than the Release Date  ; and set PSOALTXT, which will eventually be put on the Activity Log.  ;  I Y'=DIR("B") S PSODATESELECTED=1  S PSOALTXT="Date of Service ("\_$$FMTE^XLFDT(PSOTEMP(Y),"5D")\_")"  ;  Q PSOTEMP(Y) | | | | |

| Subroutine Name | **VAL^BPSPSOU1** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| VAL(RXIEN,FILL,PSOELIG,ACTION,COB,REVREAS) ;  ; Input:  ; RXIEN = Prescription ien  ; FILL = FILL #  ; PSOELIG = TRICARE or CHAMPVA  ; ACTION = "REV" - Reverse or "RES" - Resubmit  ...  I BPINPROG=0!(BPSYN) D  . W !!,"You've chosen to "\_$S(ACTION="REV":"REVERSE",1:"RESUBMIT")\_" the following prescription for "\_$E(PATNAME,1,13)\_"."  I ACTION="REV" D  . W !,"Please provide the reason or enter ^ to abandon the reversal."  . F S REVREAS=$$COMMENT^BPSSCRCL("Enter REQUIRED REVERSAL REASON",60) Q:REVREAS="^" Q:($L(REVREAS)>0)&(REVREAS'="^")&('(R  EVREAS?1" "." "))  I $G(REVREAS)["^" W !!,"The claim was NOT reversed!" D PAUSE^VALM1 Q 0  S BPSYN=$$YESNO("Are you sure?(Y/N)")  I BPSYN<1 Q 0  Q 1 | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| VAL(RXIEN,FILL,PSOELIG,ACTION,COB,REVREAS,BPSSKIPCON) ;  ; Input:  ; RXIEN = Prescription ien  ; FILL = FILL #  ; PSOELIG = TRICARE or CHAMPVA  ; ACTION = "REV" - Reverse or "RES" – Resubmit  ; BPSSKIPCON = If 1, then skip the confirmation at the end  ...  I BPINPROG=0!(BPSYN) D  . I ACTION="RES",$G(BPSSKIPCON) Q  . W !!,"You've chosen to "\_$S(ACTION="REV":"REVERSE",1:"RESUBMIT")\_" the following prescription for "\_$E(PATNAME,1,13)\_"."  I ACTION="REV" D  . W !,"Please provide the reason or enter ^ to abandon the reversal."  . F S REVREAS=$$COMMENT^BPSSCRCL("Enter REQUIRED REVERSAL REASON",60) Q:REVREAS="^" Q:($L(REVREAS)>0)&(REVREAS'="^")&('(R  EVREAS?1" "." "))  I $G(REVREAS)["^" W !!,"The claim was NOT reversed!" D PAUSE^VALM1 Q 0  I $G(BPSSKIPCON) Q 1 ; Skip confirmation question if flag is set.  S BPSYN=$$YESNO("Are you sure?(Y/N)")  I BPSYN<1 Q 0  Q 1 | | | | |

The pointer to file #9002313.511, BPS NCPDP OVERRIDE, is set inside $$SAVE^BPSRES1, but it was not being passed as a parameter. Since that function will now be called from another routine (in addition to the below call), the variable will be added as a parameter, passed by reference, and the call to $$SAVE^BPSRES1 from PROMPTS^BPSRES will be updated to include it.

| Subroutine Name | **SAVE^BPSRES1** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| SAVE(BPSACTION,BPS59,BPSADDLFLDS) ; Save into BPS NCPDP OVERRIDES (#9002313.511)  ;  ; If the user chooses to add any fields to the claim, each field  ; will be listed as BPSADDLFLDS(Field IEN).  ;  ; Input: BPSACTION = Action selected by user (e.g. RED, PRO)  ; BPS59 = Pointer to BPS TRANSACTIONS  ; BPSADDLFLDS = Passed by reference, array listing the  ; NCPDP fields to be added to the claim.  ; BPSADDLFLDS(NCPDP Field) = ""  ...  D UPDATE^DIE("","BPSFDA","BPOVRIEN","BPSMSG")  ;  I $D(BPSMSG("DIERR")) W !!,"Could Not Save Override information into BPS NCPDP OVERRIDES FILES.",! Q -1  ;  Q 1 | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| SAVE(BPSACTION,BPS59,BPSADDLFLDS,BPSOVRIEN) ; Save into BPS NCPDP OVERRIDES (#9002313.511)  ;  ; If the user chooses to add any fields to the claim, each field  ; will be listed as BPSADDLFLDS(Field IEN).  ;  ; Input: BPSACTION = Action selected by user (e.g. RED, PRO)  ; BPS59 = Pointer to BPS TRANSACTIONS  ; BPSADDLFLDS = Passed by reference, array listing the  ; NCPDP fields to be added to the claim.  ; BPSADDLFLDS(NCPDP Field) = ""  ; BPSOVRIEN = Passed by reference, ien of entry in the  ; file BPS NCPDP OVERRIDE  ...  D UPDATE^DIE("","BPSFDA","BPSOVRIEN","BPSMSG")  ;  I $D(BPSMSG("DIERR")) D Q -1  . W !!,"Could not save override information into BPS NCPDP OVERRIDE file.",!  . N DIR  . S DIR(0)="E"  . S DIR("A")="Press Return to continue."  . D ^DIR  . Q  ;  Q 1 | | | | |

| Subroutine Name | **PROMPTS^BPSRES** | | | |
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| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| I '$$SAVE^BPSRES1("RED",BP59,.BPSADDLFLDS) S BPQ=-1 | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| I '$$SAVE^BPSRES1("RED",BP59,.BPSADDLFLDS,.BPOVRIEN) S BPQ=-1 | | | | |

The Date of Service will be added as a parameter of ADDLFLDS^BPSRES1 so that it can be displayed to the user when the list of fields to be transmitted is displayed at the end of the subroutine.

| Subroutine Name | **ADDLFLDS^BPSRES1** | | | |
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| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| ADDLFLDS(BPS02,BPS59,BPSADDLFLDS) ; Add fields to a claim.  ; This function allows the user to add to claim fields not on payer  ; sheet. It is used by the RED/Resubmit with Edits Action on the  ; ECME User Screen and by the PRO Option (Process Secondary/TRICARE  ; Rx to ECME).  ; Input: BPS02 = Pointer to BPS CLAIMS  ; BPS59 = Pointer to BSP TRANSACTION  ; This function will return:  ; 1 - If user entered additional fields.  ; 0 - If user added no fields.  ; -1 - If user exited out via "^".  ; This function will also set up the array BPSADDFLDS if the user  ; chooses to add any fields to the claim.  ; BPSADDLFLDS(Field IEN) = Value to Send  ;  N BPS,BPSFIELD,BPSGETCODE,BPSPAYER,BPSQ,BPSSEGMENT  N DIC,MEDN,TRANLIST,X,Y  ;  ; Prompt user whether to enter additional fields. Quit with -1 if  ; user entered "^". Quit with 0 if user entered "No".  ;  S BPSQ=$$YESNO^BPSSCRRS("Submit NCPDP Field Not on Payer Sheet (Y/N)","N")  I BPSQ'=1 Q BPSQ  ;  ; Kill array that will contain list of fields to be added.  ;  K BPSADDLFLDS  ...  A2 ; User is done selecting fields to add.  ;  ; If user added no fields, Quit with 0.  ;  I '$D(BPSADDLFLDS) Q 0  ;  ; Display to the user the list of fields being added to the claim.  ;  W !!,"Fields entered to transmit:"  S BPSFIELD=""  F S BPSFIELD=$O(BPSADDLFLDS(BPSFIELD)) Q:'BPSFIELD D  . W !,?4,$$GET1^DIQ(9002313.91,BPSFIELD,.01),"-"  . W $$GET1^DIQ(9002313.91,BPSFIELD,.06)," "  . W $$GET1^DIQ(9002313.91,BPSFIELD,.03),": "  . W BPSADDLFLDS(BPSFIELD)  . Q  ;  Q 1 | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| ADDLFLDS(BPS02,BPS59,BPSADDLFLDS,BPSDOS) ; Add fields to a claim.  ; This function allows the user to add to claim fields not on payer  ; sheet. It is used by the RED/Resubmit with Edits Action on the  ; ECME User Screen and by the PRO Option (Process Secondary/TRICARE  ; Rx to ECME).  ; Input: BPS02 = Pointer to BPS CLAIMS  ; BPS59 = Pointer to BSP TRANSACTION  ; BPSDOS = Date of Service; if passed in, then display  ; when listing fields to be added to claim  ; This function will return:  ; 1 - If user entered additional fields.  ; 0 - If user added no fields.  ; -1 - If user exited out via "^".  ; This function will also set up the array BPSADDFLDS if the user  ; chooses to add any fields to the claim.  ; BPSADDLFLDS(Field IEN) = Value to Send  ;  N BPS,BPSFIELD,BPSGETCODE,BPSPAYER,BPSQ,BPSSEGMENT  N DIC,MEDN,TRANLIST,X,Y  ;  ; Prompt user whether to enter additional fields. If user enters  ; "No", display the Date of Service, if it exists, then Quit with 0.  ; If user enters "^", Quit with -1.  ;  W !  S BPSQ=$$YESNO^BPSSCRRS("Submit NCPDP Field Not on Payer Sheet (Y/N)","N")  I BPSQ=0,$G(BPSDOS)'="" W !!,"Fields entered to transmit:",!,?4,"Date of Service: ",$$FMTE^XLFDT(BPSDOS,"5D")  I BPSQ'=1 Q BPSQ  ;  ; Kill array that will contain list of fields to be added.  ;  K BPSADDLFLDS  ...  A2 ; User is done selecting fields to add.  ;  ; If user added no fields, Quit with 0.  ;  I '$D(BPSADDLFLDS),'$G(BPSDOS) Q 0  ;  ; Display to the user the list of fields being added to the claim.  ;  W !!,"Fields entered to transmit:"  I $G(BPSDOS)'="" W !,?4,"Date of Service: ",$$FMTE^XLFDT(BPSDOS,"5D")  S BPSFIELD=""  F S BPSFIELD=$O(BPSADDLFLDS(BPSFIELD)) Q:'BPSFIELD D  . W !,?4,$$GET1^DIQ(9002313.91,BPSFIELD,.01),"-"  . W $$GET1^DIQ(9002313.91,BPSFIELD,.06)," "  . W $$GET1^DIQ(9002313.91,BPSFIELD,.03),": "  . W BPSADDLFLDS(BPSFIELD)  . Q  ;  Q 1 | | | | |

From Outpatient Pharmacy, the claims submission process is initiated via a call to ECMESND^PSOBPSU1, which then calls EN^BPSNCPDP. To communicate to the claims submission process that additional fields need to be added to the claim, the IEN to file# 9002313.511, BPS NCPDP OVERRIDE, needs to be passed into ECMESND^PSOBPSU1 so that it can be passed into EN^BPSNCPDP. That field already exists as a parameter of EN^BPSNCPDP, but it needs to be added to the list of parameters of ECMESND^PSOBPSU1, and it needs to be added to the call to EN^BPSNCPDP.

| Subroutine Name | **ECMESND^PSOBPSU1** | | | |
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| Enhancement Category | New | Modify |  |  |
| Current Logic | | | | |
| ECMESND(RX,RFL,DATE,FROM,NDC,CMOP,RVTX,OVRC,CNDC,RESP,IGSW,ALTX,CLA,PA,RXCOB) ; - Sends Rx Release  ...  ; (o) RXCOB- Payer Sequence  ;Output: RESP - Response from $$EN^BPSNCPDP api  ...  S RESP=$$EN^BPSNCPDP(RX,RFL,$$DOS(RX,RFL,.DATE),FROM,NDC,$G(RVTX),$G(OVRC),,$G(CLA),$G(PA),$G(RXCOB)) | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| ECMESND(RX,RFL,DATE,FROM,NDC,CMOP,RVTX,OVRC,CNDC,RESP,IGSW,ALTX,CLA,PA,RXCOB,PSOVRIEN) ; - Sends Rx Release  ...  ; (o) RXCOB- Payer Sequence  ; (o) PSOVRIEN - IEN to BPS NCPDP OVERRIDE (#9002313.511)  ;Output: RESP - Response from $$EN^BPSNCPDP api  ...  S RESP=$$EN^BPSNCPDP(RX,RFL,$$DOS(RX,RFL,.DATE),FROM,NDC,$G(RVTX),$G(OVRC),$G(PSOVRIEN),$G(CLA),$G(PA),$G(RXCOB)) | | | | |

One new ICR will need to be created to allow routines in PSO to call $$ADDLFLDS^BPSRES1 and $$SAVE^BPSRES1.