**MCCF EDI TAS US582**

System Design Document



Department of Veterans Affairs

**May 2018**

Version 1.03

**User Story Number:** USRX-25

**User Story Name:** Consistent Billing Language

**Product Backlog ID:** 192

**Backlog Priority:** 38

**Initial Sizing Estimate:** 3

**Rational ID:** 828291

**Rally ID:** US582

**Epic Taxonomy:** eBiz Compliance

# Design – Summary

As a ePharmacy user I need the language to be consistent when referencing the billed quantity and the quantity of the prescription so that the references convey the correct meaning.

List of Components:

* Routine: PSOBPSU2
* Routine: BPSSCRL1

# Design – Detail

On the *Activity Log* section of View Prescription, the ECME Log label “BILLING QUANTITY submitted” will be replaced with “QUANTITY SUBMITTED ON CLAIM”.

| Subroutine Name | **ELOG^PSOBPSU2** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| PSOBPSU2 ;BIRM/MFR - BPS (ECME) Utilities 2 ;10/15/04  ;;7.0;OUTPATIENT PHARMACY;\*\*260,287,289,341,290,358,359,385,421,459,482\*\*;DEC 1997;Build 1  ;Reference to File 200 - NEW PERSON supported by IA 10060  ;Reference to DUR1^BPSNCPD3 supported by IA 4560  ;Reference to $$NCPDPQTY^PSSBPSUT supported by IA 4992  ;Reference to $$CLAIM^BPSBUTL supported by IA 4719  ...  ELOG(RESP) ; - due to size of PSOBPSU1 exceeding limit   ; -Logs an ECME Activity Log if Rx Qty is different than Billing Qty  I '$G(RESP),$T(NCPDPQTY^PSSBPSUT)'="" D  . N DRUG,RXQTY,BLQTY,BLDU,Z  . S DRUG=$$GET1^DIQ(52,RX,6,"I")  . S RXQTY=$S('RFL:$$GET1^DIQ(52,RX,7,"I"),1:$$GET1^DIQ(52.1,RFL\_","\_RX,1))/1  . S Z=$$NCPDPQTY^PSSBPSUT(DRUG,RXQTY),BLQTY=Z/1,BLDU=$P(Z,"^",2)  . I RXQTY'=BLQTY D  . . D RXACT(RX,RFL,"BILLING QUANTITY submitted: "\_$J(BLQTY,0,$L($P(BLQTY,".",2)))\_" ("\_BLDU\_")","M",DUZ)  Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| PSOBPSU2 ;BIRM/MFR - BPS (ECME) Utilities 2 ;10/15/04  ;;7.0;OUTPATIENT PHARMACY;\*\*260,287,289,341,290,358,359,385,421,459,482,512\*\*;DEC 1997;Build 1  ;Reference to File 200 - NEW PERSON supported by IA 10060  ;Reference to DUR1^BPSNCPD3 supported by IA 4560  ;Reference to $$NCPDPQTY^PSSBPSUT supported by IA 4992  ;Reference to $$CLAIM^BPSBUTL supported by IA 4719  ...  ELOG(RESP) ; - due to size of PSOBPSU1 exceeding limit   ; -Logs an ECME Activity Log if Rx Qty is different than Billing Qty  I '$G(RESP),$T(NCPDPQTY^PSSBPSUT)'="" D  . N DRUG,RXQTY,BLQTY,BLDU,Z  . S DRUG=$$GET1^DIQ(52,RX,6,"I")  . S RXQTY=$S('RFL:$$GET1^DIQ(52,RX,7,"I"),1:$$GET1^DIQ(52.1,RFL\_","\_RX,1))/1  . S Z=$$NCPDPQTY^PSSBPSUT(DRUG,RXQTY),BLQTY=Z/1,BLDU=$P(Z,"^",2)  . I RXQTY'=BLQTY D  . . D RXACT(RX,RFL,"~~BILLING~~ QUANTITY ~~submitted~~SUBMITTED ON CLAIM: "\_$J(BLQTY,0,$L($P(BLQTY,".",2)))\_" ("\_BLDU\_")","M",DUZ)  Q | | | | |

On the *Claim Log*, accessed from the ECME User Screen LOG action, the label “NCPDP Qty” will be replaced with “Quantity Submitted on Claim” and the label “Billed Qty” will be replaced with “Rx Qty”.

| Subroutine Name | **DISPCLM^BPSSCRL1** | | | |
| --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | Delete | No Change |
| Current Logic | | | | |
| BPSSCRL1 ;AITC/CKB - ECME LOGINFO ;06/01/2017  ;;1.0;E CLAIMS MGMT ENGINE;\*\*22\*\*;JUN 2004;  ;;Per VA Directive 6402, this routine should not be modified.  ;  ...   ;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: "\_$$TOTPRICE^BPSSCRLG(BPIEN02)  D SETLINE^BPSSCRLG(.BPLN,BPX)  ...   D SETLINE^BPSSCRLG(.BPLN,"Billing Request Payer Sheet: "\_$$B1PYRIEN^BPSSCRU5(BP57))  D SETLINE^BPSSCRLG(.BPLN,"Reversal Payer Sheet: "\_$$B2PYRIEN^BPSSCRU5(BP57))  D SETLINE^BPSSCRLG(.BPLN,"VA Claim ID: "\_$P($G(^BPSC(+BPIEN02,0)),U,1))  D SETLINE^BPSSCRLG(.BPLN,"")   Q | | | | |
| Modified Logic (Changes are highlighted) | | | | |
| BPSSCRL1 ;AITC/CKB - ECME LOGINFO ;06/01/2017  ;;1.0;E CLAIMS MGMT ENGINE;\*\*22,24\*\*;JUN 2004;  ;;Per VA Directive 6402, this routine should not be modified.   ;  ; Call to $$NCPDPQTY^PSSBPSUT supported by IA# 4992  ...   ;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))   ;  S BPUNITS=$$UNITS^BPSSCRLG(BPIEN02)  ; if BPUNITS is null get the BPUNITS from the PRESCRIPTION file (#52)  I BPUNITS="( )" S BPUNITS=$$GETUNIT(BPRXIEN,$G(BPREF))  D SETLINE^BPSSCRLG(.BPLN,"~~NCPDP Qty~~Quantity Submitted on Claim: "\_$$QTY^BPSSCRLG(BPIEN02)\_" "\_BPUNITS~~$$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($$LDIV^BPSSCRLG(BP57)))  S BPX="~~Billed~~Rx Qty: "\_$$BILLQTY^BPSSCRLG(BP57)\_" "\_$$BILLUNT^BPSSCRLG(BP57)  S BPX=BPX\_" Unit Cost: "\_$$UNTPRICE^BPSSCRLG(BP57)  S BPX=BPX\_" Gross Amt Due: "\_$$TOTPRICE^BPSSCRLG(BPIEN02)  D SETLINE^BPSSCRLG(.BPLN,BPX)  ...   D SETLINE^BPSSCRLG(.BPLN,"Billing Request Payer Sheet: "\_$$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 subroutine will be need to be created to populate the correct units on the *Claim Log*, accessed from the ECME User Screen LOG action. This will make it consistent with the units that appear on the *Activity Log* section of View Prescription, the ECME Log label

| Subroutine Name | **GETUNIT^BPSSCRL1** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enhancement Category | New | Modify | | Delete | | | No Change | |
| Related Menu Options or ListMan Actions | ECME User Screen | | | | | | | |
| Related Routines | This Subroutine is Called By | | | | This Subroutine Calls | | | |
| DISPCLM^BPSSCRL1 | | | | $$GET1^DIQ,  $$NCPDPQTY^PSSBPSUT | | | |
| Related Integration Control Registrations (ICRs) | ICR 4992 | | | | | | | |
| Data Passing | Parameter Input | | Parameter Output | | | Function Return Value | | Global Modified |
| Input Attribute Name and Definition | Name: BPRXIEN  Definition: Quantity dispensed from the PRESCRIPTION file (#52)  New  Modify  Delete  No Change  Name: BPREF  Definition: Rx Refill  New  Modify  Delete  No Change | | | | | | | |
| Output Attribute Name and Definition | Name: BPUNITS  Definition:  New  Modify  Delete  No Change | | | | | | | |
| Current Logic | | | | | | | | |
| n/a – new subroutine | | | | | | | | |
| Modified Logic (Changes are highlighted) | | | | | | | | |
| GETUNIT(BPRXIEN,BPREF) ; Return the NCPDP Dispense Unit   ; Input: (r) BPRXIEN - Quantity dispensed from the PRESCRIPTION file (#52)  ; BPREF - Rx Refill   ;0utput: BPUNITS - Billing Quantity (3 decimal places)^NCPDP Dispense Unit (EA, GM or ML)  ;  N BPDRUG,BPQTY,BPUNITS,Z  ;  ; Find NCPDP Dispense Unit from PRESCRIPTION file (#52)  S BPDRUG=$$GET1^DIQ(52,BPRXIEN,6,"I")  S BPQTY=$S($G(BPREF)="":$$GET1^DIQ(52,BPRXIEN,7,"I"),1:$$GET1^DIQ(52.1,BPREF\_","\_BPRXIEN,1))/1  S Z=$$NCPDPQTY^PSSBPSUT(BPDRUG,BPQTY)  S BPUNITS=$P(Z,"^",2)  Q "("\_BPUNITS\_")" | | | | | | | | |