Existing Product Intake Program (EPIP)

Patch PSS\*1.0\*203

Remediation Plan



Department of Veterans Affairs

April 2017

**Version 3.0**

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 04/04/2017 | 3.0 | Updated patch description, requirements list, and appendixes due to re-remediation for missing waiver functionality. Other minor updates throughout. | EPIP Project Team |
| 12/22/2016 | 2.0 | Updated entire document | EPIP Project Team |
| 11/28/2016 | 1.0 | Initial (draft) version | EPIP Project Team |

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# Introduction

The Department of Veterans Affairs (VA) currently utilizes the Veterans Health Information Systems and Technology Architecture (VistA) suite of applications to provide clinical, financial, infrastructure, and management tools. The process of advancing “Class 3” field-developed VistA software to “Class 1” nationally-distributed status is referred to as the Existing Product Intake Program (EPIP). The VA’s goal is to supplement ongoing activities associated with evaluating and advancing field-developed software to a state that meets national standards and facilitates release for Veterans Health Administration (VHA)-wide use.

# Purpose

The purpose of this document is to fully describe the remediation plan to be used for the successful remediation and testing of the intake code to be deployed as patch PSS\*1.0\*203. This patch addresses the following NSRs:

* NSR20150115 *Audits for DRUG file 50 Changes*

This NSR has been implemented locally at the VA Medical Centers in Buffalo NY, Dayton OH, Kansas City MO, Batavia NY, Canandaigua NY, Bath NY, Syracuse NY, Albany NY, Columbia MO, Topeka KS, Leavenworth KS, and Wichita KS.

* NSR20080714 *Drug File Price Change Date/Time Stamp*

This NSR has been implemented locally at the Central Plains VA Medical Centers (Grand Island and Omaha NE).

This document addresses the schedule, code remediation, testing, documentation, and delivery of this remediation effort.

# Patch Description

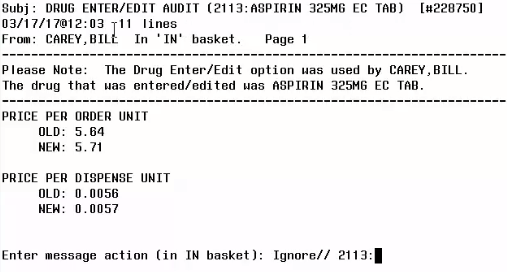
PSS\*1.0\*203 provides the following enhancements to VistA:

* Enables auditing of drug file changes. This enhancement generates a message to a new MailMan Group called PSS DEE AUDIT when a user or automated process makes changes to the DRUG file (#50). The message shows the date/time of the change, the name of the user who made the change, and before/after descriptions of the changed field(s). After installation, a Pharmacy Clinical Application Coordinator (CAC) or Pharmacy Automated Data Processing Application Coordinator (ADPAC) must modify the PSS DEE AUDIT mail group to include the necessary recipients. This modification allows Pharmacy CACs and ADPACs to maintain consistency and control when multiple users create and edit DRUG file entries across integrated facilities.

Not all fields in the DRUG file are subject to audit. The following list of auditable fields is stored internally in the PSSDEEA routine.

* GENERIC NAME (#.01)
* VA CLASSIFICATION (#2)
* DEA, SPECIAL HDLG (#3)
* MAXIMUM DOSE PER DAY (#4)
* STANDARD SIG (#5)
* FSN (#6)
* WARNING LABEL (#8)
* MESSAGE (#101)
* PHARMACY ORDERABLE ITEM (#2.1)
* RESTRICTION (#102)
* APPLICATION PACKAGES’ USE (#63)
* NDC (#31)
* CMOP DISPENSE (#213)
* ATC MNEMONIC (#212.2)
* REORDER LEVEL (#11)
* ORDER UNIT (#12)
* PRICE PER ORDER UNIT (#13)
* PRICE PER DISPENSE UNIT (#16)
* SOURCE OF SUPPLY (#17)
* DISPENSE UNIT (#14.5)
* CURRENT INVENTORY (#50)
* DAW CODE (#81)
* NCPDP DISPENSE UNIT (#82)
* NCPDP QUANTITY MULTIPLIER (#83)
* INACTIVE DATE (#100)
* NATIONAL DRUG FILE ENTRY (#20)
* VA PRODUCT NAME (#21)
* PSNDF VA PRODUCT NAME ENTRY (#22)
* PACKAGE SIZE (#23)
* PACKAGE TYPE (#24)
* NATIONAL DRUG CLASS (#25)
* CMOP ID (#27)
* NATIONAL FORMULARY INDICATOR (#29)

If a user makes changes to a non-auditable field, or views any field but does not make changes, then the mail message Subject is DRUG ENTER/EDIT ACCESS, and the message body indicates “No Audited Changes Made.”

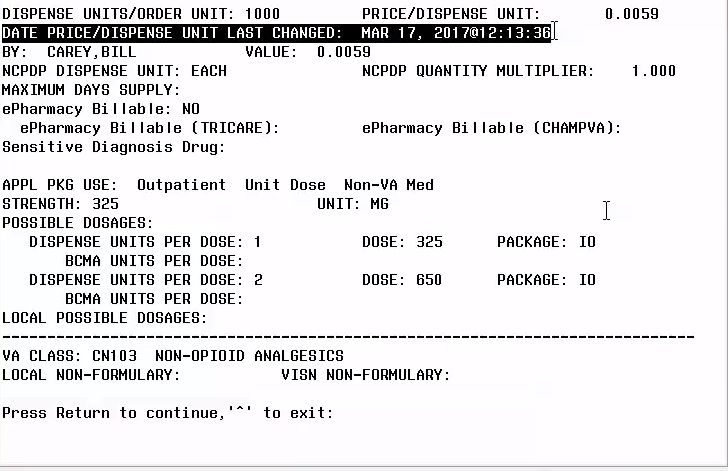


**Drug Audit Message Example**

* Tracks information on the most recent drug price change in the DRUG (#50) file. When a user or an automated process adds or changes the PRICE/DISPENSE UNIT (#15) field, or when the PRICE/DISPENSE UNIT field is automatically updated by a change to the PRICE PER ORDER UNIT (#13) field, the system will store the following in the new HISTORY PRICE DISPENSE (#950) multiple in the DRUG (#50) file: the date and time of the update; the user who updated the field; and the new value in the PRICE/DISPENSE UNIT field. The HISTORY PRICE DISPENSE multiple is searchable via FileMan, and is viewable using either FileMan or the Lookup into Dispense Drug File [PSS LOOK] option in VistA.

The new PSS DRUG AUDIT RETENTION MOS parameter is used to limit the historical data held in the HISTORY PRICE DISPENSE multiple. This parameter can be set to a positive whole number of retention months. The time period for retaining historical data is based on the last date of a price change, minus the parameter number (retention months) times 30 days. Only those entries that fall within this time period will be stored in the file multiple. If the parameter is not set to a whole number of retention months, then all entries in the HISTORY PRICE DISPENSE multiple will be retained.

This modification enables pharmacies to better manage drug prices by verifying that the price shown is up to date, and by providing a price update history.



**Last Price Change in PSS LOOK**

## Needs and Requirements

The Needs and Requirements for the NSRs addressed in this remediation are:

NSR20150115 *Audits for DRUG file 50 Changes*:

* NEED 497818: Audit Drug File Changes – For VistA Pharmacy Applications Coordinators who support the Pharmacy application at multi-divisional facilities. The ability to receive an e-mail (that is generated to a mail group that I am a member of) whenever a user makes changes to: a) specific fields associated with a drug file entry using the Drug Enter/Edit option; or b) a drug file cost via any method (i.e., Drug Enter/Edit options or FileManager).

NSR20080714 *Drug File Price Change Date/Time Stamp*:

* NEED 385965: Drug File Increases to Drug File Prices – Ability to know when there are increases to drug file prices and how they affect pharmacy cost data across systems
* REQUIREMENT 396092: Drug Price Increases – Provide the ability to detect when price increases have occurred.
* NEED 385973: Drug File Ability to assess drug file prices as current and accurate – Ability to assess drug file prices as current and accurate
* REQUIREMENT 396084: Current and Accurate Prices – Provide the ability to compare drug prices against a national drug price list to ensure they are current and accurate.
* NEED 385980: Drug File Trends and Budget Forecasts – Ability to measure trends and make accurate budget forecasts.
* REQUIREMENT 396093: Measure Trends – Provide the ability to manage trends in drug pricing.
* NEED 385978: Drug File Ability to report on a price change date for a select drug – Ability to report on a price change date for a select drug
* REQUIREMENT 396090: Price Changes – Provide the ability to report on a price change for a specific drug.
* NEED 887171: Date and Time Stamp Drug File Price – For Pharmacy users who manage drug prices, a process to date/time stamp the drug file price that aids the pharmacy in maintaining accurate drug prices. Unlike the current process, where there is no practical way of assessing how current the drug prices are, which leads to the potential of inaccurate reporting. Our process adds a date/time stamp to the drug file whenever an entry is made or edited in the price per order unit field that is searchable using FileMan and is viewable using the PSS LOOK option, thereby increasing confidence that the price information in the drug file is both up to date and accurate, that can be used for measuring trends, forecasting budgets, and producing accurate reports locally and nationally.

# Points of Contact

The VA Point of Contact (POC) for NSR20150115 *Audits for DRUG file 50 Changes* is

The VA POC for NSR20080714 *Drug File Price Change Date/Time Stamp* is

# Code Remediation

Leidos will review and analyze the intake product code for compliance with coding standards, pointers, shared tables, dependencies, and any interference with VistA systems.

## Standards and Conventions

Leidos will reference the website for applicable documents and will adhere to VA standards to complete the analysis of these NSRs. The output of the VA XINDEX utility will be used to analyze the MUMPS source code and document the affected routines (see Appendix A).

The MUMPS coding standards website will also be used to ensure that the remediated code conforms to VA standards.

## Review and Analysis

Review and analysis of this intake product involves two parts: 1) verification that the source code changes specified in this document provide the desired effect within VistA, and 2) verification that the source code changes do not adversely affect any other VistA functionality.

Testing will be performed to validate that the intended effect of these products is implemented, and that no other VistA or CPRS Graphical User Interface (GUI) functionality is adversely affected.

## Coding Changes

The coding changes required for NSR20150115 *Audits for DRUG file 50 Changes* are in the following MUMPS routines:

**Modified routines:** PSSDEE

**New routines:** PSSDEEA, PSSP203, PSSPRICE

The coding changes required for NSR20080714 *Drug File Price Change Date/Time Stamp* are in the following MUMPS routines:

**Modified routines:** PSSLOOK

**New routines:** None

A detailed analysis of the coding changes is provided in Appendix B.

# Testing

Leidos will perform all testing-related activities to ensure that the remediated code meets the expectations of the VA business owner.

## Test Plan

Leidos will configure the test environment, provide code modifications and end-to-end testing, and deliver applicable testing documentation, following Veteran-focused Integration Process (VIP) guidelines.

The Leidos developer will modify the software pursuant to the VA standards defined in the *Standards and Conventions* section of this document, and will conduct full unit testing of the functionality and verify performance of all software code before it is released to Leidos SQA. SQA will then perform all applicable testing types as described in the *Testing Phases* section of this document. The developer and SQA will resolve problems and address issues as they arise during testing and will document issues using the Rational Team Concert (RTC) defect tracking tool.

## Test Environment

Within five working days of approval of this Remediation Plan, the developer will configure the development/test environment on an Austin Information Technology Center (AITC) server or other VA-approved development/test environment used for this intake product and install the remediated Kernel Installation and Distribution System (KIDS) build. The environment will be restored to its original baseline state by the VistA system administrator after development testing is completed, followed by installation of the remediated software.

Upon notification from the developer of test environment readiness, SQA will commence with planned testing activities. The SQA test execution and reporting documentation will reside in the Rational Quality Manager (RQM) “EPIP” Project. In order to perform testing of this VistA modification, the following tools will be leveraged: RQM, Reflections emulator, CPRS GUI   
v31 (1.0.30.75), and SnagIt.

## Test Readiness Review

Leidos will conduct a Test Readiness Review (TRR) at the conclusion of unit testing to verify the contents of the software to be tested, the test schedule, test environments, test participants, and associated logistics. Leidos will provide an agenda prior to the TRR and written minutes after completion of the TRR, in accordance with the Performance Work Statement (PWS).

## Testing Phases

Leidos will perform development and SQA testing activities in phases, and will provide all required testing documentation.

### Unit Testing

The developer will conduct unit testing of individual units of source code to determine if they are fit for use.

### Component Integration and Systems Testing (CI/ST)

Component integration and systems testing will be conducted by SQA to ensure that connectivity to the VistA application exists and is functioning normally. SQA will record Passed/Failed outcomes and capture displayed content to document the system testing effort.

### Functional Testing

Functional testing will be performed by SQA to test the code modifications. This testing will ensure that the software functionality is in alignment with the Government Furnished Information. SQA will record Passed/Failed outcomes and capture displayed content to document the functional testing effort.

### Regression Testing

Regression testing will be performed by SQA to ensure that the remediated code does not introduce errors to existing functionality. The regression test framework will be kept up-to-date with manual test cases and test scripts defining the inputs and expected outcomes. SQA will record Passed/Failed outcomes and capture displayed content to document the regression testing effort.

### Section 508 Compliance Testing

Section 508 testing will be performed on VistA and CPRS code when new CPRS GUI changes are introduced by the developer. The VA-recommended Assistive Technology tool, JAWS, will be used to conduct the 508 testing. Test results and related documentation will be submitted to the VA Section 508 team in accordance with the VA 508 testing requirements. Defects found during testing will be assessed and remediated by the developer.

# Documentation Remediation

Leidos will review existing VA documentation for possible impact as a result of this remediation effort, and will make updates where applicable.

To determine the existing VA documentation that requires modification, Leidos will conduct a thorough review of the documents currently available from the VA Software Document Library (VDL) located at. Keyword searches using terms relevant to this remediation effort will be used to identify documents that might be impacted; those documents were will then be reviewed in their entirety for any needed revisions.

The following sections outline the VDL documents to be revised for this remediation.

## User Guides

The following User Guide will be updated in the VDL:

* *Pharmacy Data Management: Manager’s User Manual*

## Installation Guides

The *National Patch Module Patch Description* document for this remediation will provide the procedure for installing KIDS packages migrated from the test environment to the VA   
Pre-Production environments. Therefore, no Installation Guides will be updated.

## Technical Manuals

The following Technical Manual will be updated in the VDL:

* *Pharmacy Data Management: Technical Manual/Security Guide*

## Operations Manuals

No Operations Manuals require revision as a result of this modification.

# Project Reporting

Leidos will provide interim progress updates during daily Scrum calls and weekly management calls with VA representatives.

# Project Schedule

Leidos will follow the Scrum Agile methodology for software development. It is anticipated that this patch will require five 2-week sprints.

# Deployment

Leidos will create a KIDS package containing the software changes necessary to fulfill the requirements for this remediation effort. A KIDS package, along with all related documentation, will be delivered to the Contracting Office Representative (COR) for acceptance. If accepted, the KIDS package can then be released for national VA consumption; otherwise, Leidos will correct any defects found and repeat the necessary remediation activities.

# Sustainment Requirements

Leidos will provide maintenance support for 60 days to the VA to support the final Class 1 product after it is nationally released.

# Maintenance and Knowledge Transfer

To facilitate continuous process improvement, Leidos will deliver *Sprint Review and Retrospective* slides and a *Lessons Learned* *Report* to VA upon completion of the final sprint.

XINDEX Listing for MUMPS Code Changes

The XINDEX tool is the standard tool used by the VA to analyze MUMPS source code. Following is a listing of the results of the XINDEX analysis of the affected routines.

V. A. C R O S S R E F E R E N C E R 7.3

[2008 VA Standards & Conventions]

UCI: VISTA CPU: ROU Mar 31, 2017@08:41:18

The BUILD file Data Dictionaries are being processed.

50 DRUG

50.03 HISTORY PRICE DISPENSE UNIT

The option and function files are being processed.

Routines are being processed.

Routines: 5 Faux Routines: 2

PSSDEE PSSDEEA PSSLOOK PSSP203 PSSPRICE

Data Dictionaries

|dd50 |dd50.03

--- CROSS REFERENCING ---

Compiled list of Errors and Warnings Mar 31, 2017@08:41:18 page 1

No errors or warnings to report

Source Code Changes

This appendix displays the VistA code before and after the updates required for this code modification were implemented. The following routines were affected:

**Modified routines:** PSSDEE, PSSLOOK

**New routines:** PSSDEEA, PSSP203, PSSPRICE

**PSSDEE**

**Before:**

PSSDEE ;BIR/WRT-MASTER DRUG ENTER/EDIT ROUTINE ;01/21/00

;;1.0;PHARMACY DATA MANAGEMENT;\*\*3,5,15,16,20,22,28,32,34,33,38,57,47,6

8,61,82,90,110,155,156,180,193,200,207\*\*;9/30/97;Build 31

;

;Reference to ^PS(59 supported by DBIA #1976

;Reference to REACT1^PSNOUT supported by DBIA #2080

;Reference to $$UP^XLFSTR(X) supported by DBIA #10104

;Reference to $$PSJDF^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to PSNAPIS supported by DBIA #2531

;Reference to ^XMB("NETNAME" supported by DBIA #1131

;Reference to ^XUSEC supported by DIBA #10076

;

BEGIN N PSSUPRAF,PSSTDRUG

S PSSFLAG=0 D ^PSSDEE2 S PSSZ=1 F PSSXX=1:1 K DA D ASK Q:PSSFLAG

DONE D ^PSSDEE2 K PSSFLAGK,PSSXX,DIE,DIR,CLFLAG,CLFALG,DISPDRG,DLAYGO,DR,ENT

RY,FLAG,FLG1,FLG2,FLG4,FLG5,FLG6,FLG7,FLGKY,FLGMTH,FLGNDF,FLGOI,K,NEWDF

K NFLAG,NWND,NWPC1,NWPC2,NWPC3OLDDF,PSIUDA,PSIUX,PSNP,PSSANS,PSSASK,PSS

DA,PSSDD,PSSFLAG,PSSOR,PSSZ,PSXBT,PSXF,PSXFL,PSXUM,PSXGOOD,PSXLOC,ZAPFLG

Q

ASK ;

W ! S DIC="^PSDRUG(",DIC(0)="QEALMNTV",DLAYGO=50,DIC("T")="",DIC("W")="

S PSSTDRUG=Y D GETTIER^PSSDEE(PSSTDRUG)" D ^DIC K DIC I Y<0 S PSSFLAG=1 Q

N PSINACT S (FLG1,FLG2,FLG3,FLG4,FLG5,FLG6,FLG7,FLAG,FLGKY,FLGOI,PSINAC

T)=0 K ^TMP($J,"ADD"),^TMP($J,"SOL")

S DA=+Y,DISPDRG=DA L +^PSDRUG(DISPDRG):0 I '$T W !,$C(7),"Another perso

n is editing this one." Q

I $G(^PSDRUG(DA,"I")) S PSINACT=$G(^PSDRUG(DA,"I")) I PSINACT,PSINACT<D

T S PSINACT=1 ;;<<\*180 - RJS

S PSSHUIDG=1,PSSNEW=$P(Y,"^",3) D USE,NOPE,COMMON,DEA,MF K PSSHUIDG,PSS

UPRAF

; if any outpatient site has a dispense machine running HL7 V.2.4, then

; run the new routine and create message

N XX,DNSNAM,DNSPORT,DVER,DMFU,PSSUPRA S XX=""

F XX=0:0 S XX=$O(^PS(59,XX)) Q:'XX D

.S DVER=$$GET1^DIQ(59,XX\_",",105,"I"),DMFU=$$GET1^DIQ(59,XX\_",",105.2)

.S DNSNAM=$$GET1^DIQ(59,XX\_",",2006),DNSPORT=$$GET1^DIQ(59,XX\_",",2007)

.D:DVER="2.4"&(DNSNAM'="")&(DMFU="YES") DRG^PSSDGUPD(DISPDRG,PSSNEW,DNS

NAM,DNSPORT)

D DRG^PSSHUIDG(DISPDRG,PSSNEW) L -^PSDRUG(DISPDRG)

S XX=$P($G(^PSDRUG(DISPDRG,2)),"^",3) I XX["U"!(XX["I") D S XX=""

.S XX=$$SNDHL7^PSSMSTR() D:XX

..Q:PSSNEW&'((XX=2)!(XX=3)) ;U=1,N=2,B=3

..Q:'PSSNEW&(XX=2) ;U=1,N=2,B=3

..N VAR

..I PSSNEW&((XX=2)!(XX=3)) S VAR="Would you like to send this new drug

to PADE"

..E S VAR="Would you like to send a drug file update to PADE"

..W !!,"This drug is marked for either UD or IV use, and you have at le

ast"

..W !,"one active Pharmacy Automated Dispensing Equipment (PADE)."

..K DIR,DIRUT,DUOUT,DTOUT

..S DIR(0)="Y",DIR("A")=VAR

..S DIR("?")="Enter Y for Yes or N for No." D ^DIR K DIR

..Q:'Y

..N PSSPADE S PSSPADE=1 S XX=""

..D ENP^PSSHLDFS(DISPDRG,$S(PSSNEW:"MAD",1:"MUP"))

K FLG3,PSSNEW

.

.

.

====================================================================

**After:**

PSSDEE ;BIR/WRT-MASTER DRUG ENTER/EDIT ROUTINE ; 01 Dec 2016 2:24 PM

;;1.0;PHARMACY DATA MANAGEMENT;\*\*3,5,15,16,20,22,28,32,34,33,38,57,47,6

8,61,82,90,110,155,156,180,193,200,207,203\*\*;9/30/97;Build 1

;

;Reference to ^PS(59 supported by DBIA #1976

;Reference to REACT1^PSNOUT supported by DBIA #2080

;Reference to $$UP^XLFSTR(X) supported by DBIA #10104

;Reference to $$PSJDF^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to PSNAPIS supported by DBIA #2531

;Reference to ^XMB("NETNAME" supported by DBIA #1131

;Reference to ^XUSEC supported by DIBA #10076

;

BEGIN N PSSUPRAF,PSSTDRUG

S PSSFLAG=0 D ^PSSDEE2 S PSSZ=1 F PSSXX=1:1 K DA D ASK Q:PSSFLAG

DONE D ^PSSDEE2 K PSSFLAGK,PSSXX,DIE,DIR,CLFLAG,CLFALG,DISPDRG,DLAYGO,DR,ENT

RY,FLAG,FLG1,FLG2,FLG4,FLG5,FLG6,FLG7,FLGKY,FLGMTH,FLGNDF,FLGOI,K,NEWDF

K NFLAG,NWND,NWPC1,NWPC2,NWPC3OLDDF,PSIUDA,PSIUX,PSNP,PSSANS,PSSASK,PSS

DA,PSSDD,PSSFLAG,PSSOR,PSSZ,PSXBT,PSXF,PSXFL,PSXUM,PSXGOOD,PSXLOC,ZAPFLG

Q

ASK ;

W ! S DIC="^PSDRUG(",DIC(0)="QEALMNTV",DLAYGO=50,DIC("T")="",DIC("W")="

S PSSTDRUG=Y D GETTIER^PSSDEE(PSSTDRUG)" D ^DIC K DIC I Y<0 S PSSFLAG=1 Q

N PSINACT S (FLG1,FLG2,FLG3,FLG4,FLG5,FLG6,FLG7,FLAG,FLGKY,FLGOI,PSINAC

T)=0 K ^TMP($J,"ADD"),^TMP($J,"SOL")

S DA=+Y,DISPDRG=DA L +^PSDRUG(DISPDRG):0 I '$T W !,$C(7),"Another perso

n is editing this one." Q

D BEFORE^PSSDEEA($T(+0)) ; drug enter/edit auditing

I $G(^PSDRUG(DA,"I")) S PSINACT=$G(^PSDRUG(DA,"I")) I PSINACT,PSINACT<D

T S PSINACT=1 ;;<<\*180 - RJS

S PSSHUIDG=1,PSSNEW=$P(Y,"^",3) D USE,NOPE,COMMON,DEA,MF K PSSHUIDG,PSS

UPRAF

; if any outpatient site has a dispense machine running HL7 V.2.4, then

; run the new routine and create message

N XX,DNSNAM,DNSPORT,DVER,DMFU,PSSUPRA S XX=""

F XX=0:0 S XX=$O(^PS(59,XX)) Q:'XX D

.S DVER=$$GET1^DIQ(59,XX\_",",105,"I"),DMFU=$$GET1^DIQ(59,XX\_",",105.2)

.S DNSNAM=$$GET1^DIQ(59,XX\_",",2006),DNSPORT=$$GET1^DIQ(59,XX\_",",2007)

.D:DVER="2.4"&(DNSNAM'="")&(DMFU="YES") DRG^PSSDGUPD(DISPDRG,PSSNEW,DNS

NAM,DNSPORT)

D DRG^PSSHUIDG(DISPDRG,PSSNEW) L -^PSDRUG(DISPDRG)

D AFTER^PSSDEEA($T(+0)) ; drug enter/edit auditing

S XX=$P($G(^PSDRUG(DISPDRG,2)),"^",3) I XX["U"!(XX["I") D S XX=""

.S XX=$$SNDHL7^PSSMSTR() D:XX

..Q:PSSNEW&'((XX=2)!(XX=3)) ;U=1,N=2,B=3

..Q:'PSSNEW&(XX=2) ;U=1,N=2,B=3

..N VAR

..I PSSNEW&((XX=2)!(XX=3)) S VAR="Would you like to send this new drug

to PADE"

..E S VAR="Would you like to send a drug file update to PADE"

..W !!,"This drug is marked for either UD or IV use, and you have at le

ast"

..W !,"one active Pharmacy Automated Dispensing Equipment (PADE)."

..K DIR,DIRUT,DUOUT,DTOUT

..S DIR(0)="Y",DIR("A")=VAR

..S DIR("?")="Enter Y for Yes or N for No." D ^DIR K DIR

..Q:'Y

..N PSSPADE S PSSPADE=1 S XX=""

..D ENP^PSSHLDFS(DISPDRG,$S(PSSNEW:"MAD",1:"MUP"))

K FLG3,PSSNEW

Q

ASK+4 D BEFORE^PSSDEEA($T(+0)) ; drug enter/edit auditing

ASK+15 D AFTER^PSSDEEA($T(+0)) ; drug enter/edit auditing

.

.

.

====================================================================

**PSSLOOK**

**Before:**

PSSLOOK ;BIR/WRT-Drug file lookup ;02/03/00

;;1.0;PHARMACY DATA MANAGEMENT;\*\*3,7,15,16,20,24,29,38,68,61,87,90,127,

147,170,189,192,200\*\*;9/30/97;Build 29

;

;Reference to ^PS(50.605 supported by DBIA #2138

;Reference to ^PS(50.608 supported by DBIA #2136

VISTAS2:VISTA>ZP

PSSLOOK ;BIR/WRT-Drug file lookup ;02/03/00

;;1.0;PHARMACY DATA MANAGEMENT;\*\*3,7,15,16,20,24,29,38,68,61,87,90,127,

147,170,189,192,200\*\*;9/30/97;Build 29

;

;Reference to ^PS(50.605 supported by DBIA #2138

;Reference to ^PS(50.608 supported by DBIA #2136

;Reference to ^PS(50.609 supported by DBIA #2137

;Reference to ^PS(50.607 supported by DBIA #2221

;Reference to $$FORMRX^PSNAPIS(DA,K,.LIST) supported by DBIA #2574

;Reference to $$FORMI^PSNAPIS(P1,P3) supported by DBIA #2574

;Reference to $$PSJDF^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$PSJST^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$PROD2^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$CPTIER^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$VAGN^PSNAPIS(P1) supported by DBIA #2531

;Reference to ^PSNDF(50.68 supported by DBIA 3735

;

START S QUIT=0,PSSFG=0 D KILL F PSSXX=1:1 D PICK Q:PSSFG

DONE D KILL K PSSFG,PSSXX,QUIT,FM,FMS,Y2K

Q

PICK W ! K DIC S DIC="^PSDRUG(",DIC(0)="AEQMVTN",DIC("T")="",DIC("W")="S PSS

TDRUG=Y D GETTIER^PSSDEE(PSSTDRUG)" D ^DIC K DIC I Y<0 S PSSFG=1 Q

S IFN=+Y D NDDATA,GETDATA,INACT,NOD66,FORMAT,KILL

Q

NDDATA I $D(^PSDRUG(IFN,"ND")) S CLPTR=$P(^PSDRUG(IFN,"ND"),"^",6) I $P(^PSDRU

G(IFN,"ND"),"^",2)]"" S NDNODE=^PSDRUG(IFN,"ND"),VAGNPTR=$P(NDNODE,"^",1),VAPN=$

P(NDNODE,"^",2),SZPTR=$P(NDNODE,"^",4),TYPTR=$P(NDNODE,"^",5) D NDF,NDF1

Q

NDF S DA=VAGNPTR,X=$$VAGN^PSNAPIS(DA),VAGN=X,PS=$P(^PS(50.609,SZPTR,0),"^",

1),PT=$P(^PS(50.608,TYPTR,0),"^",1),P3=$P(NDNODE,"^",3)

K X S DA=VAGNPTR,K=P3,X=$$PROD2^PSNAPIS(DA,K) I X]"",$P(X,"^")]"" S VAP

RN=$P(X,"^"),VADU=$P(X,"^",4),CMOPID=$P(X,"^",2)

S CSF="" I $P(NDNODE,"^",3) S CSF=$$GET1^DIQ(50.68,$P(NDNODE,"^",3),19,

"I")

Q

IT S CMOPID=$P(X,"^",2)

Q

NDF1 S X=$$PSJDF^PSNAPIS(DA,K),VADF=$P(X,"^",2)

Q

INACT S ACT="" I $D(^PSDRUG(IFN,"I")) S Y=$P(^PSDRUG(IFN,"I"),"^",1) X ^DD("D

D") S ACT=Y

Q

GETDATA S NODE0=^PSDRUG(IFN,0),GN=$P(NODE0,"^",1),CL=$P(NODE0,"^",2),DEA=$P(NOD

E0,"^",3),WRN=$P(NODE0,"^",8),NF=$P(NODE0,"^",9),MESS=$P(NODE0,"^",10),VNF=$P(NO

DE0,"^",11),CLASS="",WARN="" S:NF=1 NF="N/F" S:VNF=1 VNF="V-N/F"

S PSSNODE=$G(^PSDRUG(IFN,"DOS"))

I CL]"" S CLASS=CL\_" "\_$P(^PS(50.605,CLPTR,0),"^",2)

I $D(^PSDRUG(IFN,3)) S:$P(^PSDRUG(IFN,3),"^")=0 CMOP="NO" S:$P(^PSDRUG(

IFN,3),"^")=1 CMOP="YES"

I $D(^PSDRUG(IFN,5)) S QDM=^PSDRUG(IFN,5)

S OINM="" S NDC="" I $D(^PSDRUG(IFN,2)) S NODE2=^PSDRUG(IFN,2) S:$P(NOD

E2,"^",1)]"" OIPTR=$P(NODE2,"^",1) S NDC=$P(NODE2,"^",4) S:$P(NODE2,"^",6)]"" PD

PTR=$P(NODE2,"^",6) S APP=$P(NODE2,"^",3),FM="" D TWOA

Q

TWOA I $D(OIPTR) S OI=$P(^PS(50.7,OIPTR,0),"^",1),DFPTR=$P(^PS(50.7,OIPTR,0)

,"^",2),DF=$P(^PS(50.606,DFPTR,0),"^",1),FMS=$P(^PS(50.7,OIPTR,0),"^",12) S:FMS]

"" FM=" (N/F)" S OINM=OI\_" "\_DF\_FM

;I $D(PDPTR) S PD=$P(^PS(50.3,PDPTR,0),"^",1)

Q

NOD66 S (DUPOU,PPDU,PPOU,DU,SS)="" I $D(^PSDRUG(IFN,660)) S NDE=^PSDRUG(IFN,6

60),OUPTR=$P(NDE,"^",2),PPOU=$P(NDE,"^",3),DUPOU=$P(NDE,"^",5),PPDU=$P(NDE,"^",6

),SS=$P(NDE,"^",7),DU=$P(NDE,"^",8) I OUPTR]"" S OU=$P(^DIC(51.5,OUPTR,0),"^")

Q

SYN I $D(^PSDRUG(IFN,1,0)) F ZZZ=0:0 S ZZZ=$O(^PSDRUG(IFN,1,ZZZ)) Q:'ZZZ S

SYNM=$P(^PSDRUG(IFN,1,ZZZ,0),"^",1),INT=$P(^PSDRUG(IFN,1,ZZZ,0),"^",3) D SYN1

Q

SYN1 S INT=$S(INT=0:"Trade Name",INT=1:"Quick Code",INT="C":"Ctrl Substances

",INT="D":"Drug Accountability",1:"") D FULL Q:$G(QUIT) W ?14,SYNM,?55,INT,!

Q

SYN2 S:INT=0 INT="Trade" S:INT=1 INT="Quick" S:INT="C" INT="Ctrl Subs" S:INT

="D" INT="Drug Acct" W ?16,SYNM,?57,INT,!

Q

IFCAP I $D(^PSDRUG(IFN,441,0)) F QQQ=0:0 S QQQ=$O(^PSDRUG(IFN,441,QQQ)) Q:'QQ

Q S IFCAPNM=$P(^PSDRUG(IFN,441,QQQ,0),"^",1)

Q

FORMAT ; BEGIN WRITING

N DAW

W @IOF,"DRUG NAME: ",GN," (IEN: ",IFN,")",!

F XX=1:1:77 W "="

W !

W:$D(VAPRN) "VA PRINT NAME: ",?17,VAPRN W:$D(CMOPID) ?60,"CMOP ID#: ",C

MOPID W:$D(VAPN) !,"VA PRODUCT NAME: ",?17,VAPN W:$D(CMOP) ?60,"CMOP DISPENSE: "

,CMOP

W:$D(OINM) !,"ORDERABLE ITEM: ",?17,OINM W:$D(VAPN) ?60,"NDF DF: ",VADF

I $D(OIPTR),OIPTR]"" W !,"ORDERABLE ITEM TEXT: ",! D OITXT

W:$D(PD) !,"PRIMARY DRUG: ",?17,PD

W !,"SYNONYM(S): " D SYN D FULL Q:$G(QUIT) W !,"MESSAGE: ",MESS,!

D FULL Q:$G(QUIT) F XX=1:1:77 W "-"

W !

D FULL Q:$G(QUIT) W "DEA, SPECIAL HDLG: ",DEA,?48,"NDC: ",?63,NDC

S DAW=+$$GET1^DIQ(50,IFN,81)

D FULL Q:$G(QUIT) W !,"DAW CODE: ",DAW," - ",$$DAWEXT^PSSDAWUT(DAW)

D FULL Q:$G(QUIT) W !,"CS FEDERAL SCHEDULE: ",$G(CSF)

D FULL Q:$G(QUIT) W !,"INACTIVE DATE: ",ACT

D FULL Q:$G(QUIT) W:$D(QDM) !,"QUANTITY DISPENSE MESSAGE: ",QDM,!

D FULL Q:$G(QUIT) I WRN]"" W !,"WARNING LABEL: " S X=WRN F Z0=1:1 Q:$P

(X,",",Z0,99)="" S Z1=$P(X,",",Z0) W:$D(^PS(54,Z1,0)) ?19,$P(^(0),"^",1),! I '$

D(^(0)) W ?19,"NO SUCH WARNING LABEL" K X Q

D FULL Q:$G(QUIT) S PSSLOOK=1 D

.N DRUG

.I $P($G(^PSDRUG(IFN,0)),"^")="" K PSSLOOK Q

.S PSSWSITE=+$O(^PS(59.7,0)) W !,"WARNING LABEL SOURCE is " D

..I $P($G(^PS(59.7,PSSWSITE,10)),"^",9)="N" W "set to 'NEW'" Q

..W "not set to 'NEW'"

.K PSSWRN

.D FULL Q:$G(QUIT) W !,"NEW WARNING LABEL:"

.S ^TMP("PSSWRNB",$J,$P(^PSDRUG(IFN,0),"^"))="" D ^PSSWRNE

.K PSSLOOK,^TMP("PSSWRNB",$J),PSSWRN

D FULL Q:$G(QUIT) W:'$D(QDM) ! F XX=1:1:77 W "-"

D FULL Q:$G(QUIT) W !

W "ORDER UNIT: ",?27 W:$D(OU) OU W ?40,"PRICE/ORDER UNIT: ",?67,PPOU

D FULL Q:$G(QUIT) W !,"DISPENSE UNIT: ",?27,DU W:$D(VADU) ?40,"VA DISP

ENSE UNIT: ",?67,VADU

D FULL Q:$G(QUIT) W !,"DISPENSE UNITS/ORDER UNIT: ",?21,DUPOU,?40,"PRI

CE/DISPENSE UNIT: ",?67,PPDU

D FULL Q:$G(QUIT) W !,"NCPDP DISPENSE UNIT: ",$$GET1^DIQ(50,IFN,82),?4

0,"NCPDP QUANTITY MULTIPLIER: ",?67,$J($$GET1^DIQ(50,IFN,83),8,3)

D FULL Q:$G(QUIT) W !,"MAXIMUM DAYS SUPPLY: ",$$GET1^DIQ(50,IFN,66)

D FULL Q:$G(QUIT) W !,"ePharmacy Billable: ",$$GET1^DIQ(50,IFN,84)

D FULL Q:$G(QUIT) W !?2,"ePharmacy Billable (TRICARE): ",$$GET1^DIQ(50

,IFN,85) W ?40,"ePharmacy Billable (CHAMPVA): ",$$GET1^DIQ(50,IFN,86)

D FULL Q:$G(QUIT) W !,"Sensitive Diagnosis Drug: ",$$GET1^DIQ(50,IFN,8

7) W !

D FULL Q:$G(QUIT) W !,"APPL PKG USE:" S APPL="" S:'$D(APP) APPL=" NON

E"

I $D(APP) D

. S:APP["O" APPL=APPL\_" Outpatient" S:APP["U" APPL=APPL\_" Unit Dose"

. S:APP["I" APPL=APPL\_" IV" S:APP["W" APPL=APPL\_" Ward Stock"

. S:APP["N" APPL=APPL\_" Control Subs" S:APP["X" APPL=APPL\_" Non-VA Me

d"

. S:APPL="" APPL=" NONE"

W ?13,APPL

I $P(PSSNODE,"^",2) S (PSSCALC,PSSUNIT)=$P($G(^PS(50.607,+$P(PSSNODE,U,

2),0)),U),PSSSTR=$P(PSSNODE,"^")

I $G(PSSUNIT)'="",$G(PSSUNIT)["/" D UNCALC

D FULL Q:$G(QUIT) W !,"STRENGTH: ",$S($E($P(PSSNODE,U),1)=".":"0",1:""

)\_$P(PSSNODE,U),?35,"UNIT: ",$G(PSSCALC)

D FULL Q:$G(QUIT) W !,"POSSIBLE DOSAGES:"

I $D(^PSDRUG(IFN,"DOS1",0)) F PDS=0:0 S PDS=$O(^PSDRUG(IFN,"DOS1",PDS))

Q:'PDS D

.S POSDOS=^PSDRUG(IFN,"DOS1",PDS,0)

.D FULL Q:$G(QUIT) W !," DISPENSE UNITS PER DOSE: ",$S($E($P(POSDOS,

U),1)=".":"0",1:"")\_$P(POSDOS,U),?40,"DOSE: ",$S($E($P(POSDOS,U,2),1)=".":"0",1:

"")\_$P(POSDOS,U,2),?55,"PACKAGE: ",$P(POSDOS,U,3)

.D FULL Q:$G(QUIT) W !," BCMA UNITS PER DOSE: ",$P(POSDOS,U,4)

D FULL Q:$G(QUIT) W !,"LOCAL POSSIBLE DOSAGES:"

I $D(^PSDRUG(IFN,"DOS2",0)) F PDS=0:0 S PDS=$O(^PSDRUG(IFN,"DOS2",PDS))

Q:'PDS D

.S LPDOS=^PSDRUG(IFN,"DOS2",PDS,0)

.D FULL Q:$G(QUIT) W !," LOCAL POSSIBLE DOSAGE: " D

..I $L($P(LPDOS,U))'>27 W $P(LPDOS,U),?55,"PACKAGE: ",$P(LPDOS,U,2)

..E W !,?10,$P(LPDOS,U),!,?55,"PACKAGE: ",$P(LPDOS,U,2)

..D FULL Q:$G(QUIT) W !," BCMA UNITS PER DOSE: ",$P(LPDOS,U,3) D F

ULL Q:$G(QUIT) D LPDNW

D FULL Q:$G(QUIT) W ! F XX=1:1:77 W "-"

D FULL Q:$G(QUIT) W !,"VA CLASS: ",$G(CLASS)

D FULL Q:$G(QUIT) W !,"LOCAL NON-FORMULARY: ",$G(NF)," ","VIS

N NON-FORMULARY: ",$G(VNF)

N DA,K,LIST,PSXDN,PSXGN,PSXVP,X,XX1,XX2

K PSXGN,PSXVP I $D(^PSDRUG(IFN,"ND")) S PSXDN=$G(^PSDRUG(IFN,"ND")),PSX

GN=$P(PSXDN,"^"),PSXVP=$P(PSXDN,"^",3)

I $G(PSXGN),$G(PSXVP) S X=$$PROD2^PSNAPIS(PSXGN,PSXVP),XX1=$$FORMI^PSNA

PIS(PSXGN,PSXVP)

D FULL Q:$G(QUIT) W !,"National Formulary Indicator: "\_$S($G(XX1)=1:"Y

ES",$G(XX1)=0:"NO",1:"Not Matched to NDF")

I $D(^PSDRUG(IFN,65,0)) D FULL Q:$G(QUIT) W !,"FORMULARY ALTERNATIVES:

",! F FA=0:0 S FA=$O(^PSDRUG(IFN,65,FA)) Q:'FA S LDFPTR=$P($G(^PSDRUG(IFN,65,F

A,0)),"^") I LDFPTR D FULL Q:$G(QUIT) W ?26,$P($G(^PSDRUG(LDFPTR,0)),"^"),!

N CPDATE,PSSTIER D NOW^%DTC S CPDATE=$P(%,".") S PSSTIER=$$CPTIER^PSNAP

IS($P($G(^PSDRUG(IFN,"ND")),"^",3),CPDATE,IFN,1) K CPDATE,%

; PSSTIER = Copay Tier^Effective Date^End Date

W !,"Copay Tier: ",$P(PSSTIER,"^",1)

W !,"Copay Effective Date: " S Y=$P(PSSTIER,"^",2) D DD^%DT W Y K Y

D FULL Q:$G(QUIT) I $G(PSXGN),$G(PSXVP) W !,"National Restriction: " S

XX2=$$FORMRX^PSNAPIS(PSXGN,PSXVP,.LIST) I $G(XX2)=1,$D(LIST) F XX2=0:0 S XX2=$O

(LIST(XX2)) Q:'XX2 D FULL Q:$G(QUIT) W !,LIST(XX2,0)

W !,"Local Drug Text: ",! I $D(^PSDRUG(IFN,9,0)) D LDT

Q

LDT F TXT1=0:0 S TXT1=$O(^PSDRUG(IFN,9,TXT1)) Q:'TXT1 S TEXPTR=^PSDRUG(IFN

,9,TXT1,0) F PPP=0:0 S PPP=$O(^PS(51.7,TEXPTR,2,PPP)) Q:'PPP S PST=$P($G(^PS(51

.7,TEXPTR,0)),"^",2) I 'PST S WPT=^PS(51.7,TEXPTR,2,PPP,0) D FULL Q:$G(QUIT) W

WPT,!

;

;

KILL K IFN,APP,INT,VADU,VAGN,VAPN,VAPRN,P3,VAGNPTR,MESS,CLASS,DEA,ACT,CL,CLP

TR,CMOP,DF,DFPTR,DU,DUPOUGN,IFCAPNM,NDC,NDE,NDNODE,NF,NODE0,NODE2,OI,OINM,OIPTR,

OU,PD,PDPTR,PPDU,PPOU,PS,PT,NOD66,SYNM,SZPTR,TYPTR,WARN,WRN,XX,ZZZ,SS,OUPTR,CMOP

ID

K DUPOU,QQQ,GN,QDM,APPL,VADF,DFP,DFRM,Y,Z0,Z1,DDD,PPP,TEXT,TXTPTR,TXT,T

XT1,TEXPTR,VNF,WPT,FA,LDFPTR,TEXTPTR,QUIT,PST,D0,DA,K,DIR

K PSSNODE,PSDOSUN,PDS,POSDOS,LPDOS,CSF,PSSSTR,PSSUNIT,PSSCALC,PSSTIER

Q

OITXT I $D(^PS(50.7,OIPTR,1,0)) F TXT=0:0 S TXT=$O(^PS(50.7,OIPTR,1,TXT)) Q:'

TXT S TEXTPTR=^PS(50.7,OIPTR,1,TXT,0) F DDD=0:0 S DDD=$O(^PS(51.7,TEXTPTR,2,DDD

)) Q:'DDD D IDATE I 'Y2K S TEXT=^PS(51.7,TEXTPTR,2,DDD,0) D FULL Q:$G(QUIT) W

TEXT,!

Q

FULL D:($Y+5)>IOSL&('$G(QUIT)) FSCRN

Q

FSCRN Q:$G(QUIT) W ! K DIR S DIR(0)="E",DIR("A")="Press Return to continue,'

^' to exit" D ^DIR W @IOF S:Y'=1 QUIT=1

Q

IDATE S Y2K=$P($G(^PS(51.7,TEXTPTR,0)),"^",2)

Q

UNCALC ;

N PSSVA,PSSVA1,PSSVB,PSSVB1,PSSDASH,PSSNDFS,PSSDASH2,PSSDASH3,PSSDASH5

K PSSCALC

S PSSDASH=0 S PSSNDFS=$$PSJST^PSNAPIS(+$P($G(^PSDRUG(IFN,"ND")),"^"),+$

P($G(^PSDRUG(IFN,"ND")),"^",3)) S PSSNDFS=+$P($G(PSSNDFS),"^",2)

I $G(PSSNDFS),$G(PSSSTR),+$G(PSSSTR)'=+$G(PSSNDFS) S PSSDASH=1

S PSSVA=$P(PSSUNIT,"/"),PSSVB=$P(PSSUNIT,"/",2),PSSVA1=+$G(PSSVA),PSSVB

1=+$G(PSSVB)

I $G(PSSDASH) S PSSDASH2=PSSSTR/PSSNDFS,PSSDASH3=PSSDASH2\*$S($G(PSSVB1)

:PSSVB1,1:1) S PSSDASH5=$S('$G(PSSVB1):PSSDASH3\_$G(PSSVB),1:PSSDASH3\_$P(PSSVB,PS

SVB1,2))

S PSSCALC=$S($G(PSSDASH):$S('$G(PSSVA1):PSSVA,1:$P(PSSVA1,PSSVA1,2))\_"/

"\_$G(PSSDASH5),1:PSSUNIT)

Q

;

LPDNW ;Display Dose Unit and Numeric Dose fields, added with patch PSS\*1\*147

N PSSLKL1,PSSLKL2,PSSLKL3,PSSLKL4

S PSSLKL4=""

S PSSLKL1=$P(LPDOS,"^",5),PSSLKL2=$P(LPDOS,"^",6)

I PSSLKL1 S PSSLKL4=$P($G(^PS(51.24,+PSSLKL1,0)),"^")

S PSSLKL3=$S($E(PSSLKL2)=".":"0",1:"")\_PSSLKL2

I $L(PSSLKL3)<18 D FULL Q:$G(QUIT) W !?5,"NUMERIC DOSE: "\_PSSLKL3,?38,

"DOSE UNIT: "\_PSSLKL4 Q

D FULL Q:$G(QUIT) W !?5,"NUMERIC DOSE: "\_PSSLKL3

D FULL Q:$G(QUIT) W !?38,"DOSE UNIT: "\_PSSLKL4

Q

====================================================================

**After:**

PSSLOOK ;BIR/WRT-Drug file lookup ; 16 Mar 2017 10:57 PM

;;1.0;PHARMACY DATA MANAGEMENT;\*\*3,7,15,16,20,24,29,38,68,61,87,90,127,

147,170,189,192,200,203\*\*;9/30/97;Build 29

;

;Reference to ^PS(50.605 supported by DBIA #2138

;Reference to ^PS(50.608 supported by DBIA #2136

;Reference to ^PS(50.609 supported by DBIA #2137

;Reference to ^PS(50.607 supported by DBIA #2221

;Reference to $$FORMRX^PSNAPIS(DA,K,.LIST) supported by DBIA #2574

;Reference to $$FORMI^PSNAPIS(P1,P3) supported by DBIA #2574

;Reference to $$PSJDF^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$PSJST^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$PROD2^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$CPTIER^PSNAPIS(P1,P3) supported by DBIA #2531

;Reference to $$VAGN^PSNAPIS(P1) supported by DBIA #2531

;Reference to ^PSNDF(50.68 supported by DBIA 3735

;Reference to FMTE^XLFDT supported by DBIA 10103

;

START S QUIT=0,PSSFG=0 D KILL F PSSXX=1:1 D PICK Q:PSSFG

DONE D KILL K PSSDAT,PSSDT,PSSERR,PSSFG,PSSMAX,PSSXX,PSSUSR,PSSVAL,PSSX,QUIT

,FM,FMS,Y2K

Q

PICK W ! K DIC S DIC="^PSDRUG(",DIC(0)="AEQMVTN",DIC("T")="",DIC("W")="S PSS

TDRUG=Y D GETTIER^PSSDEE(PSSTDRUG)" D ^DIC K DIC I Y<0 S PSSFG=1 Q

S IFN=+Y D NDDATA,GETDATA,INACT,NOD66,FORMAT,KILL

Q

NDDATA I $D(^PSDRUG(IFN,"ND")) S CLPTR=$P(^PSDRUG(IFN,"ND"),"^",6) I $P(^PSDRU

G(IFN,"ND"),"^",2)]"" S NDNODE=^PSDRUG(IFN,"ND"),VAGNPTR=$P(NDNODE,"^",1),VAPN=$

P(NDNODE,"^",2),SZPTR=$P(NDNODE,"^",4),TYPTR=$P(NDNODE,"^",5) D NDF,NDF1

Q

NDF S DA=VAGNPTR,X=$$VAGN^PSNAPIS(DA),VAGN=X,PS=$P(^PS(50.609,SZPTR,0),"^",

1),PT=$P(^PS(50.608,TYPTR,0),"^",1),P3=$P(NDNODE,"^",3)

K X S DA=VAGNPTR,K=P3,X=$$PROD2^PSNAPIS(DA,K) I X]"",$P(X,"^")]"" S VAP

RN=$P(X,"^"),VADU=$P(X,"^",4),CMOPID=$P(X,"^",2)

S CSF="" I $P(NDNODE,"^",3) S CSF=$$GET1^DIQ(50.68,$P(NDNODE,"^",3),19,

"I")

Q

IT S CMOPID=$P(X,"^",2)

Q

NDF1 S X=$$PSJDF^PSNAPIS(DA,K),VADF=$P(X,"^",2)

Q

INACT S ACT="" I $D(^PSDRUG(IFN,"I")) S Y=$P(^PSDRUG(IFN,"I"),"^",1) X ^DD("D

D") S ACT=Y

Q

GETDATA S NODE0=^PSDRUG(IFN,0),GN=$P(NODE0,"^",1),CL=$P(NODE0,"^",2),DEA=$P(NOD

E0,"^",3),WRN=$P(NODE0,"^",8),NF=$P(NODE0,"^",9),MESS=$P(NODE0,"^",10),VNF=$P(NO

DE0,"^",11),CLASS="",WARN="" S:NF=1 NF="N/F" S:VNF=1 VNF="V-N/F"

S PSSNODE=$G(^PSDRUG(IFN,"DOS"))

S PSSX=$Q(^PSDRUG(IFN,950)),PSSMAX=$P(@PSSX,"^",3)

D GETS^DIQ(50.03,PSSMAX\_","\_IFN\_",","\*","E","PSSDAT","PSSERR")

S PSSDT=$G(PSSDAT(50.03,PSSMAX\_","\_IFN\_",",.01,"E"))

S PSSUSR=$G(PSSDAT(50.03,PSSMAX\_","\_IFN\_",",1,"E"))

S PSSVAL=$G(PSSDAT(50.03,PSSMAX\_","\_IFN\_",",3,"E"))

I CL]"" S CLASS=CL\_" "\_$P(^PS(50.605,CLPTR,0),"^",2)

I $D(^PSDRUG(IFN,3)) S:$P(^PSDRUG(IFN,3),"^")=0 CMOP="NO" S:$P(^PSDRUG(

IFN,3),"^")=1 CMOP="YES"

I $D(^PSDRUG(IFN,5)) S QDM=^PSDRUG(IFN,5)

S OINM="" S NDC="" I $D(^PSDRUG(IFN,2)) S NODE2=^PSDRUG(IFN,2) S:$P(NOD

E2,"^",1)]"" OIPTR=$P(NODE2,"^",1) S NDC=$P(NODE2,"^",4) S:$P(NODE2,"^",6)]"" PD

PTR=$P(NODE2,"^",6) S APP=$P(NODE2,"^",3),FM="" D TWOA

Q

TWOA I $D(OIPTR) S OI=$P(^PS(50.7,OIPTR,0),"^",1),DFPTR=$P(^PS(50.7,OIPTR,0)

,"^",2),DF=$P(^PS(50.606,DFPTR,0),"^",1),FMS=$P(^PS(50.7,OIPTR,0),"^",12) S:FMS]

"" FM=" (N/F)" S OINM=OI\_" "\_DF\_FM

;I $D(PDPTR) S PD=$P(^PS(50.3,PDPTR,0),"^",1)

Q

NOD66 S (DUPOU,PPDU,PPOU,DU,SS)="" I $D(^PSDRUG(IFN,660)) S NDE=^PSDRUG(IFN,6

60),OUPTR=$P(NDE,"^",2),PPOU=$P(NDE,"^",3),DUPOU=$P(NDE,"^",5),PPDU=$P(NDE,"^",6

),SS=$P(NDE,"^",7),DU=$P(NDE,"^",8) I OUPTR]"" S OU=$P(^DIC(51.5,OUPTR,0),"^")

Q

SYN I $D(^PSDRUG(IFN,1,0)) F ZZZ=0:0 S ZZZ=$O(^PSDRUG(IFN,1,ZZZ)) Q:'ZZZ S

SYNM=$P(^PSDRUG(IFN,1,ZZZ,0),"^",1),INT=$P(^PSDRUG(IFN,1,ZZZ,0),"^",3) D SYN1

Q

SYN1 S INT=$S(INT=0:"Trade Name",INT=1:"Quick Code",INT="C":"Ctrl Substances

",INT="D":"Drug Accountability",1:"") D FULL Q:$G(QUIT) W ?14,SYNM,?55,INT,!

Q

SYN2 S:INT=0 INT="Trade" S:INT=1 INT="Quick" S:INT="C" INT="Ctrl Subs" S:INT

="D" INT="Drug Acct" W ?16,SYNM,?57,INT,!

Q

IFCAP I $D(^PSDRUG(IFN,441,0)) F QQQ=0:0 S QQQ=$O(^PSDRUG(IFN,441,QQQ)) Q:'QQ

Q S IFCAPNM=$P(^PSDRUG(IFN,441,QQQ,0),"^",1)

Q

FORMAT ; BEGIN WRITING

N DAW,PSSWSITE

W @IOF,"DRUG NAME: ",GN," (IEN: ",IFN,")",!

F XX=1:1:77 W "="

W !

W:$D(VAPRN) "VA PRINT NAME: ",?17,VAPRN W:$D(CMOPID) ?60,"CMOP ID#: ",C

MOPID W:$D(VAPN) !,"VA PRODUCT NAME: ",?17,VAPN W:$D(CMOP) ?60,"CMOP DISPENSE: "

,CMOP

W:$D(OINM) !,"ORDERABLE ITEM: ",?17,OINM W:$D(VAPN) ?60,"NDF DF: ",VADF

I $D(OIPTR),OIPTR]"" W !,"ORDERABLE ITEM TEXT: ",! D OITXT

W:$D(PD) !,"PRIMARY DRUG: ",?17,PD

W !,"SYNONYM(S): " D SYN D FULL Q:$G(QUIT) W !,"MESSAGE: ",MESS,!

D FULL Q:$G(QUIT) F XX=1:1:77 W "-"

W !

D FULL Q:$G(QUIT) W "DEA, SPECIAL HDLG: ",DEA,?48,"NDC: ",?63,NDC

S DAW=+$$GET1^DIQ(50,IFN,81)

D FULL Q:$G(QUIT) W !,"DAW CODE: ",DAW," - ",$$DAWEXT^PSSDAWUT(DAW)

D FULL Q:$G(QUIT) W !,"CS FEDERAL SCHEDULE: ",$G(CSF)

D FULL Q:$G(QUIT) W !,"INACTIVE DATE: ",ACT

D FULL Q:$G(QUIT) W:$D(QDM) !,"QUANTITY DISPENSE MESSAGE: ",QDM,!

D FULL Q:$G(QUIT) I WRN]"" W !,"WARNING LABEL: " S X=WRN F Z0=1:1 Q:$P

(X,",",Z0,99)="" S Z1=$P(X,",",Z0) W:$D(^PS(54,Z1,0)) ?19,$P(^(0),"^",1),! I '$

D(^(0)) W ?19,"NO SUCH WARNING LABEL" K X Q

D FULL Q:$G(QUIT) S PSSLOOK=1 D

.N DRUG

.I $P($G(^PSDRUG(IFN,0)),"^")="" K PSSLOOK Q

.S PSSWSITE=+$O(^PS(59.7,0)) W !,"WARNING LABEL SOURCE is " D

..I $P($G(^PS(59.7,PSSWSITE,10)),"^",9)="N" W "set to 'NEW'" Q

..W "not set to 'NEW'"

.K PSSWRN

.D FULL Q:$G(QUIT) W !,"NEW WARNING LABEL:"

.S ^TMP("PSSWRNB",$J,$P(^PSDRUG(IFN,0),"^"))="" D ^PSSWRNE

.K PSSLOOK,^TMP("PSSWRNB",$J),PSSWRN

D FULL Q:$G(QUIT) W:'$D(QDM) ! F XX=1:1:77 W "-"

D FULL Q:$G(QUIT) W !

W "ORDER UNIT: ",?27 W:$D(OU) OU W ?40,"PRICE/ORDER UNIT: ",?67,PPOU

D FULL Q:$G(QUIT) W !,"DISPENSE UNIT: ",?27,DU W:$D(VADU) ?40,"VA DISP

ENSE UNIT: ",?67,VADU

D FULL Q:$G(QUIT) W !,"DISPENSE UNITS/ORDER UNIT: ",?21,DUPOU,?40,"PRI

CE/DISPENSE UNIT: ",?67,PPDU

D:$G(PSSVAL)]""

. D FULL Q:$G(QUIT) W !,"DATE PRICE/DISPENSE UNIT LAST CHANGED: ",?27

,PSSDT

. D FULL Q:$G(QUIT) W !,"BY: ",PSSUSR,?27,"VALUE: ",PSSVAL

D FULL Q:$G(QUIT) W !,"NCPDP DISPENSE UNIT: ",$$GET1^DIQ(50,IFN,82),?4

0,"NCPDP QUANTITY MULTIPLIER: ",?67,$J($$GET1^DIQ(50,IFN,83),8,3)

D FULL Q:$G(QUIT) W !,"MAXIMUM DAYS SUPPLY: ",$$GET1^DIQ(50,IFN,66)

D FULL Q:$G(QUIT) W !,"ePharmacy Billable: ",$$GET1^DIQ(50,IFN,84)

D FULL Q:$G(QUIT) W !?2,"ePharmacy Billable (TRICARE): ",$$GET1^DIQ(50

,IFN,85) W ?40,"ePharmacy Billable (CHAMPVA): ",$$GET1^DIQ(50,IFN,86)

D FULL Q:$G(QUIT) W !,"Sensitive Diagnosis Drug: ",$$GET1^DIQ(50,IFN,8

7) W !

D FULL Q:$G(QUIT) W !,"APPL PKG USE:" S APPL="" S:'$D(APP) APPL=" NON

E"

I $D(APP) D

. S:APP["O" APPL=APPL\_" Outpatient" S:APP["U" APPL=APPL\_" Unit Dose"

. S:APP["I" APPL=APPL\_" IV" S:APP["W" APPL=APPL\_" Ward Stock"

. S:APP["N" APPL=APPL\_" Control Subs" S:APP["X" APPL=APPL\_" Non-VA Me

d"

. S:APPL="" APPL=" NONE"

W ?13,APPL

I $P(PSSNODE,"^",2) S (PSSCALC,PSSUNIT)=$P($G(^PS(50.607,+$P(PSSNODE,U,

2),0)),U),PSSSTR=$P(PSSNODE,"^")

I $G(PSSUNIT)'="",$G(PSSUNIT)["/" D UNCALC

D FULL Q:$G(QUIT) W !,"STRENGTH: ",$S($E($P(PSSNODE,U),1)=".":"0",1:""

)\_$P(PSSNODE,U),?35,"UNIT: ",$G(PSSCALC)

D FULL Q:$G(QUIT) W !,"POSSIBLE DOSAGES:"

I $D(^PSDRUG(IFN,"DOS1",0)) F PDS=0:0 S PDS=$O(^PSDRUG(IFN,"DOS1",PDS))

Q:'PDS D

.S POSDOS=^PSDRUG(IFN,"DOS1",PDS,0)

.D FULL Q:$G(QUIT) W !," DISPENSE UNITS PER DOSE: ",$S($E($P(POSDOS,

U),1)=".":"0",1:"")\_$P(POSDOS,U),?40,"DOSE: ",$S($E($P(POSDOS,U,2),1)=".":"0",1:

"")\_$P(POSDOS,U,2),?55,"PACKAGE: ",$P(POSDOS,U,3)

.D FULL Q:$G(QUIT) W !," BCMA UNITS PER DOSE: ",$P(POSDOS,U,4)

D FULL Q:$G(QUIT) W !,"LOCAL POSSIBLE DOSAGES:"

I $D(^PSDRUG(IFN,"DOS2",0)) F PDS=0:0 S PDS=$O(^PSDRUG(IFN,"DOS2",PDS))

Q:'PDS D

.S LPDOS=^PSDRUG(IFN,"DOS2",PDS,0)

.D FULL Q:$G(QUIT) W !," LOCAL POSSIBLE DOSAGE: " D

..I $L($P(LPDOS,U))'>27 W $P(LPDOS,U),?55,"PACKAGE: ",$P(LPDOS,U,2)

..E W !,?10,$P(LPDOS,U),!,?55,"PACKAGE: ",$P(LPDOS,U,2)

..D FULL Q:$G(QUIT) W !," BCMA UNITS PER DOSE: ",$P(LPDOS,U,3) D F

ULL Q:$G(QUIT) D LPDNW

D FULL Q:$G(QUIT) W ! F XX=1:1:77 W "-"

D FULL Q:$G(QUIT) W !,"VA CLASS: ",$G(CLASS)

D FULL Q:$G(QUIT) W !,"LOCAL NON-FORMULARY: ",$G(NF)," ","VIS

N NON-FORMULARY: ",$G(VNF)

N DA,K,LIST,PSXDN,PSXGN,PSXVP,X,XX1,XX2

K PSXGN,PSXVP I $D(^PSDRUG(IFN,"ND")) S PSXDN=$G(^PSDRUG(IFN,"ND")),PSX

GN=$P(PSXDN,"^"),PSXVP=$P(PSXDN,"^",3)

I $G(PSXGN),$G(PSXVP) S X=$$PROD2^PSNAPIS(PSXGN,PSXVP),XX1=$$FORMI^PSNA

PIS(PSXGN,PSXVP)

D FULL Q:$G(QUIT) W !,"National Formulary Indicator: "\_$S($G(XX1)=1:"Y

ES",$G(XX1)=0:"NO",1:"Not Matched to NDF")

I $D(^PSDRUG(IFN,65,0)) D FULL Q:$G(QUIT) W !,"FORMULARY ALTERNATIVES:

",! F FA=0:0 S FA=$O(^PSDRUG(IFN,65,FA)) Q:'FA S LDFPTR=$P($G(^PSDRUG(IFN,65,F

A,0)),"^") I LDFPTR D FULL Q:$G(QUIT) W ?26,$P($G(^PSDRUG(LDFPTR,0)),"^"),!

N CPDATE,PSSTIER D NOW^%DTC S CPDATE=$P(%,".") S PSSTIER=$$CPTIER^PSNAP

IS($P($G(^PSDRUG(IFN,"ND")),"^",3),CPDATE,IFN,1) K CPDATE,%

; PSSTIER = Copay Tier^Effective Date^End Date

W !,"Copay Tier: ",$P(PSSTIER,"^",1)

W !,"Copay Effective Date: " S Y=$P(PSSTIER,"^",2) D DD^%DT W Y K Y

D FULL Q:$G(QUIT) I $G(PSXGN),$G(PSXVP) W !,"National Restriction: " S

XX2=$$FORMRX^PSNAPIS(PSXGN,PSXVP,.LIST) I $G(XX2)=1,$D(LIST) F XX2=0:0 S XX2=$O

(LIST(XX2)) Q:'XX2 D FULL Q:$G(QUIT) W !,LIST(XX2,0)

W !,"Local Drug Text: ",! I $D(^PSDRUG(IFN,9,0)) D LDT

Q

LDT F TXT1=0:0 S TXT1=$O(^PSDRUG(IFN,9,TXT1)) Q:'TXT1 S TEXPTR=^PSDRUG(IFN

,9,TXT1,0) F PPP=0:0 S PPP=$O(^PS(51.7,TEXPTR,2,PPP)) Q:'PPP S PST=$P($G(^PS(51

.7,TEXPTR,0)),"^",2) I 'PST S WPT=^PS(51.7,TEXPTR,2,PPP,0) D FULL Q:$G(QUIT) W

WPT,!

;

;

KILL K IFN,APP,INT,VADU,VAGN,VAPN,VAPRN,P3,VAGNPTR,MESS,CLASS,DEA,ACT,CL,CLP

TR,CMOP,DF,DFPTR,DU,DUPOUGN,IFCAPNM,NDC,NDE,NDNODE,NF,NODE0,NODE2,OI,OINM,OIPTR,

OU,PD,PDPTR,PPDU,PPOU,PS,PT,NOD66,SYNM,SZPTR,TYPTR,WARN,WRN,XX,ZZZ,SS,OUPTR,CMOP

ID

K DUPOU,QQQ,GN,QDM,APPL,VADF,DFP,DFRM,Y,Z0,Z1,DDD,PPP,TEXT,TXTPTR,TXT,T

XT1,TEXPTR,VNF,WPT,FA,LDFPTR,TEXTPTR,QUIT,PST,D0,DA,K,DIR

K PSSNODE,PSDOSUN,PDS,POSDOS,LPDOS,CSF,PSSSTR,PSSUNIT,PSSCALC,PSSTIER

Q

OITXT I $D(^PS(50.7,OIPTR,1,0)) F TXT=0:0 S TXT=$O(^PS(50.7,OIPTR,1,TXT)) Q:'

TXT S TEXTPTR=^PS(50.7,OIPTR,1,TXT,0) F DDD=0:0 S DDD=$O(^PS(51.7,TEXTPTR,2,DDD

)) Q:'DDD D IDATE I 'Y2K S TEXT=^PS(51.7,TEXTPTR,2,DDD,0) D FULL Q:$G(QUIT) W

TEXT,!

Q

FULL D:($Y+5)>IOSL&('$G(QUIT)) FSCRN

Q

FSCRN Q:$G(QUIT) W ! K DIR S DIR(0)="E",DIR("A")="Press Return to continue,'

^' to exit" D ^DIR W @IOF S:Y'=1 QUIT=1

Q

IDATE S Y2K=$P($G(^PS(51.7,TEXTPTR,0)),"^",2)

Q

UNCALC ;

N PSSVA,PSSVA1,PSSVB,PSSVB1,PSSDASH,PSSNDFS,PSSDASH2,PSSDASH3,PSSDASH5

K PSSCALC

S PSSDASH=0 S PSSNDFS=$$PSJST^PSNAPIS(+$P($G(^PSDRUG(IFN,"ND")),"^"),+$

P($G(^PSDRUG(IFN,"ND")),"^",3)) S PSSNDFS=+$P($G(PSSNDFS),"^",2)

I $G(PSSNDFS),$G(PSSSTR),+$G(PSSSTR)'=+$G(PSSNDFS) S PSSDASH=1

S PSSVA=$P(PSSUNIT,"/"),PSSVB=$P(PSSUNIT,"/",2),PSSVA1=+$G(PSSVA),PSSVB

1=+$G(PSSVB)

I $G(PSSDASH) S PSSDASH2=PSSSTR/PSSNDFS,PSSDASH3=PSSDASH2\*$S($G(PSSVB1)

:PSSVB1,1:1) S PSSDASH5=$S('$G(PSSVB1):PSSDASH3\_$G(PSSVB),1:PSSDASH3\_$P(PSSVB,PS

SVB1,2))

S PSSCALC=$S($G(PSSDASH):$S('$G(PSSVA1):PSSVA,1:$P(PSSVA1,PSSVA1,2))\_"/

"\_$G(PSSDASH5),1:PSSUNIT)

Q

;

LPDNW ;Display Dose Unit and Numeric Dose fields, added with patch PSS\*1\*147

N PSSLKL1,PSSLKL2,PSSLKL3,PSSLKL4

S PSSLKL4=""

S PSSLKL1=$P(LPDOS,"^",5),PSSLKL2=$P(LPDOS,"^",6)

I PSSLKL1 S PSSLKL4=$P($G(^PS(51.24,+PSSLKL1,0)),"^")

S PSSLKL3=$S($E(PSSLKL2)=".":"0",1:"")\_PSSLKL2

I $L(PSSLKL3)<18 D FULL Q:$G(QUIT) W !?5,"NUMERIC DOSE: "\_PSSLKL3,?38,

"DOSE UNIT: "\_PSSLKL4 Q

D FULL Q:$G(QUIT) W !?5,"NUMERIC DOSE: "\_PSSLKL3

D FULL Q:$G(QUIT) W !?38,"DOSE UNIT: "\_PSSLKL4

Q

====================================================================

**PSSDEEA (New)**

PSSDEEA ;PBM/RMS - DRUG FILE ENTER/EDIT AUDIT ; 01 Feb 2017 4:55 PM

;;1.0;PHARMACY DATA MANAGEMENT;\*\*203\*\*;;Build 1

;------------------------------------------------------------------

BEFORE(TAG) ;

; Capture the drug entry before it is edited to have to compare to

; after the user completes the editing. Email changes in

; linetag 'AFTER' (called at the end of PSSDEE).

; From: PSSDEE [PSS DRUG ENTER/EDIT]

; Output:

; 1. ^UTILITY(TAG,$J,DA)=Drug file entry number DA before editing

; 2. ZDA ; DA or IEN of Drug file #50 entry

; 3. ZN ; Will be equal to 1 if a new drug was entered into file

;

;ZEXCEPT: DA,Y,ZDA,ZN

;

K ^UTILITY(TAG,$J,DA)

M ^UTILITY(TAG,$J,DA)=^PSDRUG(DA)

;

S ZDA=DA,ZN=$P(Y,"^",3)

;

Q

;------------------------------------------------------------------

AFTER(TAG) ;

;

; DOCUMENTATION AND SETUP INFORMATION

;

; Modifications:

;

; \* PSSDEE calls BEFORE^PSSDEEA to create ^UTILITY("PSSDEE",$J,DA) data

.

; ^UTILITY data holds all ^PSDRUG data for drug prior to any

; editing.

; \* PSSDEE later calls AFTER^PSSDEEA to compare the value of the drug

; file entry after editing to the pre-snapshot values held in

; ^UTILITY. If changes have been made, a Mailman message is

; sent to members of a mail group. (See SETUP below)

;

; Note: USING the Drug Enter/Edit option is sufficient to trigger

; the audit email, even if a non-audited field is the only change

; made by the user.

;

; ZEXCEPT: PSSZMES,PSSZNOC,ANS,CHANGES,COUNT,FIELD,FLAG,LABEL,NEWVAL,OL

DVAL,USER,ZDA,ZDAN,ZN,PSSZNODE,ZZJ

EN Q:'$G(ZDA)

N COUNT,USER S COUNT=6,USER=$P(^VA(200,DUZ,0),"^"),ZDAN=$P(^PSDRUG(ZDA,

0),"^")

D HEADER

D COMPAR

D SEND

K PSSZMES,ZDA,ZDAN,LABEL,PSSZNODE,OLDVAL,NEWVAL,FIELD,CHANGES,FLAG,ZZJ,

ANS,ZN,PSSZNOC

S NEWVAL=""

Q

HEADER ;HEADER FOR FIELDS CHANGED IN THE DRUG ENTER/EDIT OPTION

; ZEXCEPT: PSSZMES,USER,ZDAN

S PSSZMES(1)="Please Note: The Drug Enter/Edit option was used by "\_US

ER\_"."

S PSSZMES(2)="The drug that was entered/edited was "\_ZDAN\_"."

S PSSZMES(3)="---------------------------------------------------------

----------------------"

Q

COMPAR ;

; ZEXCEPT: PSSZMES,ANS,FLAG,LABEL,NEWVAL,OLDVAL,ZDA,TAG,PSSZNOC

N CHANGES,NEWVAL,OLDVAL,SPACES,PSSZNODE,ZZJ

S $P(SPACES," ",80)="",PSSZNOC=0

F PSSZNODE=0,2,3,8.5,660,660.1,"EPH","I","ND" I $G(ZDA) D

.S:ZN=1 ^UTILITY(TAG,$J,ZDA,PSSZNODE)=""

.Q:'$D(^PSDRUG(ZDA,PSSZNODE))&('$D(^UTILITY(TAG,$J,ZDA,PSSZNODE)))

.I '$D(^UTILITY(TAG,$J,ZDA,PSSZNODE))&($D(^PSDRUG(ZDA,PSSZNODE))) S CHA

NGES(PSSZNODE)=^PSDRUG(ZDA,PSSZNODE)

.I '$D(^PSDRUG(ZDA,PSSZNODE))&($D(^UTILITY(TAG,$J,ZDA,PSSZNODE))) S CHA

NGES(PSSZNODE)=^UTILITY(TAG,$J,ZDA,PSSZNODE)

.Q:$D(CHANGES(PSSZNODE))!('$D(^PSDRUG(ZDA,PSSZNODE)))!('$D(^UTILITY(TAG

,$J,ZDA,PSSZNODE)))

.Q:^UTILITY(TAG,$J,ZDA,PSSZNODE)=^PSDRUG(ZDA,PSSZNODE)

.S CHANGES(PSSZNODE)=""

.F ZZJ=1:1:10 S FLAG=0,ANS="" S:$P(^PSDRUG(ZDA,PSSZNODE),"^",ZZJ)'=$P(^

UTILITY(TAG,$J,ZDA,PSSZNODE),"^",ZZJ) ANS=$P(^UTILITY(TAG,$J,ZDA,PSSZNODE),"^",Z

ZJ),FLAG=1 S:FLAG=1&(ANS="") ANS="NULL" S CHANGES(PSSZNODE)=CHANGES(PSSZNODE)\_AN

S\_"^"

I '$D(CHANGES) S PSSZNOC=1,PSSZMES(4)=" \*\*\* No Audited Changes Ma

de \*\*\*" Q

S FLAG=0

F PSSZNODE=0,2,3,8.5,660,660.1,"EPH","I","ND" S LABEL="SUB"\_PSSZNODE I

$D(CHANGES(PSSZNODE)) F ZZJ=1:1:11 Q:"^^^^^^^^^^^^^^^^^"[$P(CHANGES(PSSZNODE),"^

",ZZJ,11) Q:$P(CHANGES(PSSZNODE),"^",ZZJ,11)="" D:'$D(^UTILITY(TAG,$J,ZDA)) SE

TLB Q:FLAG D

.S OLDVAL=$P(CHANGES(PSSZNODE),"^",ZZJ) Q:OLDVAL="" S OLDVAL=OLDVAL\_$$

OLDEXT(OLDVAL,PSSZNODE,ZZJ)

.S:$D(^PSDRUG(ZDA,PSSZNODE)) NEWVAL=$P(^PSDRUG(ZDA,PSSZNODE),"^",ZZJ)\_$

$NEWEXT(ZDA,PSSZNODE,ZZJ)

.D STOR

Q

OLDEXT(OLDVAL,PSSZNODE,PIECE) ;COMPUTE EXTERNAL 'OLD' VALUE WHERE NECESSARY

N FIELDNUM,FIELDTYP,PTRFILE

S FIELDNUM=$O(^DD(50,"GL",PSSZNODE,PIECE,0))

Q:'+FIELDNUM ""

S FIELDTYP=$P(^DD(50,FIELDNUM,0),U,2)

I $E(FIELDTYP)'="P" Q ""

S PTRFILE=+$E(FIELDTYP,2,99)

Q " ("\_$$GET1^DIQ(PTRFILE,OLDVAL,.01)\_")"

NEWEXT(ZDA,PSSZNODE,PIECE) ;COMPUTE EXTERNAL 'NEW' VALUE WHERE NECESSARY

N FIELDNUM,INTERNAL,EXTERNAL

S FIELDNUM=$O(^DD(50,"GL",PSSZNODE,PIECE,0))

Q:'+FIELDNUM ""

S EXTERNAL=$$GET1^DIQ(50,ZDA,FIELDNUM)

S INTERNAL=$$GET1^DIQ(50,ZDA,FIELDNUM,"I")

Q:(INTERNAL=EXTERNAL) ""

Q " ("\_EXTERNAL\_")"

SEND ;

; ZEXCEPT: ZDA,ZDAN,PSSZNOC

N XMDUZ,XMSUB,XMTEXT,XMY

S XMSUB=$S(PSSZNOC:"DRUG ENTER/EDIT ACCESS (",1:"DRUG ENTER/EDIT AUDIT

(")\_$G(ZDA)\_":"\_$G(ZDAN)\_")",XMDUZ=$S($G(DUZ):DUZ,1:.5)

S XMTEXT="PSSZMES("

S XMY("G.PSS DEE AUDIT")="",XMY(DUZ)=""

D ^XMD

Q

STOR ;STORES VALUES INTO MAILMAN VARIABLES

; ZEXCEPT: PSSZMES,COUNT,FIELD,LABEL,NEWVAL,OLDVAL,SPACES

S:LABEL["660.1" LABEL="SUB6601"

S:LABEL["8.5" LABEL="SUB85"

S FIELD=$P($T(@(LABEL)+ZZJ),";",3)

;S PSSZMES(COUNT)=FIELD\_$E(SPACES,1,30-$L(FIELD))\_OLDVAL\_$E(SPACES,1,30

-$L(OLDVAL))\_$G(NEWVAL),COUNT=COUNT+1

S PSSZMES(COUNT)=FIELD,COUNT=COUNT+1

S PSSZMES(COUNT)=$E(SPACES,1,5)\_"OLD: "\_OLDVAL,COUNT=COUNT+1

S PSSZMES(COUNT)=$E(SPACES,1,5)\_"NEW: "\_$G(NEWVAL),COUNT=COUNT+1

S PSSZMES(COUNT)=" ",COUNT=COUNT+1

Q

SETLB ;SETS $TEXT LABEL

; ZEXCEPT: LABEL,PSSZNODE

S LABEL=$S(PSSZNODE=0:"SUB0",PSSZNODE=2:"SUB2",PSSZNODE=3:"SUB3",PSSZNO

DE=8.5:"SUB85",PSSZNODE=660:"SUB660",PSSZNODE=660.1:"SUB6601",PSSZNODE="EPH":"SU

BEPH",PSSZNODE="ND":"SUBND",1:"SUBI")

Q

SUB0 ;FIELDS FOR ^PSDRUG(ZDA,0)

;;GENERIC NAME

;;VA CLASSIFICATION

;;DEA, SPECIAL HDLG

;;MAXIMUM DOSE PER DAY

;;STANDARD SIG

;;FSN

;;DRUG GROUP/INTERACTION

;;WARNING LABEL

;;NON-FORMULARY

;;MESSAGE

SUB2 ;FIELDS FOR ^PSDRUG(ZDA,2)

;;PHARMACY ORDERABLE ITEM

;;RESTRICTION

;;APPLICATION PACKAGES' USE

;;NDC

;;

;;\*PRIMARY DRUG

SUB3 ;FIELDS FOR ^PSDRUG(ZDA,3)

;;CMOP DISPENSE

SUB85 ;

;;\*ATC CANISTER

;;ATC MNEMONIC

SUB660 ;FIELDS FOR ^PSDRUG(ZDA,660)

;;REORDER LEVEL

;;ORDER UNIT

;;PRICE PER ORDER UNIT

;;NORMAL AMOUNT TO ORDER

;;DISPENSE UNITS PER ORDER UNIT

;;PRICE PER DISPENSE UNIT

;;SOURCE OF SUPPLY

;;DISPENSE UNIT

SUB6601 ;FIELDS FOR ^PSDRUG(ZDA,660.1)

;;CURRENT INVENTORY

SUBEPH ;FIELDS FOR ^PSDRUG(ZDA,"EPH")

;;DAW CODE

;;NCPDP DISPENSE UNIT

;;NCPDP QUANTITY MULTIPLIER

SUBI ;FIELDS FOR ^PSDRUG(ZDA,"I")

;;INACTIVE DATE

SUBND ;FIELDS FOR ^PSDRUG(ZDA,"ND")

;;NATIONAL DRUG FILE ENTRY

;;VA PRODUCT NAME

;;PSNDF VA PRODUCT NAME ENTRY

;;PACKAGE SIZE

;;PACKAGE TYPE

;;NATIONAL DRUG CLASS

;;

;;

;;

;;CMOP ID

;;NATIONAL FORMULARY INDICATOR

====================================================================

**PSSP203 (New)**

PSSP203 ;EPIP/WLC - POST-INSTALLATION FOR PACKAGE--CHECKS EXISTANCE OF MAIL GROUP AND IF NOT CREATES IT ; 08 Dec 2016 10:19 AM

;;1.0;PHARMACY DATA MANAGEMENT;\*\*203\*\*;12/08/17;Build 1

;

EN ;

N PSSMGPNM,PSSMGPOR,PSSMGPDS,PSSMGPRS,PSSMGPMY,PSSMGPNM,PSSMGPSL,PSSMGP

QT,PSSMGPTP

N DTOUT,DUOUT,Y

K XPDABORT,PSSMGPAR

;If mail group already exists quit.

I $$FIND1^DIC(3.8,"","X","PSS DEE AUDIT","B") Q

S PSSMGPAR(1)="A 'PSS DEE AUDIT' Mail Group is now being created. Mail

Group members will"

S PSSMGPAR(2)="receive notifications whenever there are modifications p

erformed"

S PSSMGPAR(3)="on the DRUG (#50) file through PSS DRUG ENTER/EDIT optio

n."

S PSSMGPAR(4)="Please enter the Pharmacy ADPAC or a designee to be the

Mail Group Organizer."

S PSSMGPAR(5)=" "

S PSSMGPAR(6)="To continue this install, you must now enter a Mail Grou

p organizer."

S PSSMGPAR(7)=" "

D MES^XPDUTL(.PSSMGPAR)

K DIC S DIC=200,DIC(0)="QEAMZ",DIC("A")="Enter Mail Group Organizer: "

;abort install if user does not enter a coordinator

D ^DIC K DIC I $D(DTOUT)!($D(DUOUT))!(+Y'>0) K PSSMGPAR S XPDABORT=2 Q

S PSSMGPOR=+Y,PSSMGPMY(+Y)=""

S PSSMGPNM="PSS DEE AUDIT",PSSMGPTP=0,PSSMGPSL=0,PSSMGPQT=1

S PSSMGPDS(1)="Members of this mail group will receive notifications wh

enever there"

S PSSMGPDS(2)="are modifications made to the DRUG (#50) file "

S PSSMGPDS(3)="through the PSS DRUG ENTER/EDIT menu option."

S PSSMGPRS=$$MG^XMBGRP(PSSMGPNM,PSSMGPTP,PSSMGPOR,PSSMGPSL,.PSSMGPMY,.P

SSMGPDS,PSSMGPQT)

I 'PSSMGPRS D BMES^XPDUTL(" ") D Q

.D BMES^XPDUTL("Unable to create PSS DEE AUDIT Mail Group, aborting ins

tall.") S XPDABORT=2

.K PSSMGPAR

;Last line above also aborts install if the call to MG^XMBGRP fails to

create the Mail Group

K PSSMGPAR

Q

====================================================================

**PSSPRICE (New)**

PSSPRICE ;EPIP/WC - PHARMACY PRICE TRACKER FILE 50;03-06-2017 ; 14 Mar 2017 10

:17 AM

;;1.0;PHARMACY DATA MANAGEMENT;\*\*203\*\*;2/28/17;Build 2

Q ; call by line tag

; UDPATE^DIE supported by ICR #2053

; ^XMD supported by ICR #10113

ST(PSSIEN,PSSDUZ) ;

; PSSIEN=DRUG IEN

; PSSNEW=NEW PRICE

; PSSDUZ=USER CHANGING PRICE

; CLASS 3 CROSS REFER ON FILE 50 FIELD #16

N DA,DIE,X,Y,DIC

;LEAST GET THE TIME THE CHANGE WAS MADE

D NOW^%DTC S PSSTIME=%

S PSSNEW=$P($G(^PSDRUG(PSSIEN,660)),"^",6)

;

QUE ;ENTER THE DATA IN FILE 50 MULTIPLE FIELD 950

S ZTRTN="HIS^PSSPRICE"

S ZTDESC="PHARMACY PRICE TRACKER "

S ZTSAVE("PSSIEN")=""

S ZTSAVE("PSSNEW")=""

S ZTSAVE("PSSDUZ")=""

S ZTSAVE("PSSTIME")=""

S ZTIO=""

D NOW^%DTC S ZTDTH=%

D ^%ZTLOAD

D HOME^%ZIS

Q

HIS ;LOGS CHANGES IN FILE 50 HISTORY PRICE DISPENSE #950

; first delete any price updates greater than 60 days old from multiple

N DEFDT,PSIEN2 S DEFDT=+$$GET^XPAR("ALL","PSS DRUG AUDIT RETENTION MOS"

)

S DEFMOS=$S(DEFDT>0:DEFDT,1:999999999)

S X1=$$NOW^XLFDT,X2=DEFMOS\*30 D C^%DTC S ENDDT=X

S X1=$P($$NOW^XLFDT,".",1),X2=-60

S ENDDT=$$FMADD^XLFDT(DT,"-"\_(DEFMOS\*30))

I $O(^PSDRUG(PSSIEN,950,0)) D

. F S PSIEN2=$O(^PSDRUG(PSSIEN,950,0)) Q:^(PSIEN2,0)>ENDDT D

. . N DIK,DA

. . S DIK="^PSDRUG(PSSIEN,950,",DA(1)=PSSIEN,DA=PSIEN2 D ^DIK ; Delete

old data

N FDA

S FDA(50.03,"?+1,"\_PSSIEN\_",",.01)=PSSTIME

S FDA(50.03,"?+1,"\_PSSIEN\_",",1)=PSSDUZ

S FDA(50.03,"?+1,"\_PSSIEN\_",",3)=PSSNEW

D UPDATE^DIE("","FDA")

S PSSNAME=$$GET1^DIQ(200,PSSDUZ\_",",.01)

BULL ;Generate the bulletin.

S XMY("G.PSS DEE AUDIT")=""

S XMSUB="Pharmacy Price Tracker",XMDUZ=.5

S ^UTILITY($J,"PHARM TRACK",1)=PSSNAME\_" has changed the PRICE DISPENSE

of:"

S ^UTILITY($J,"PHARM TRACK",2)=$P($G(^PSDRUG(PSSIEN,0)),"^",1)\_" to: "\_

PSSNEW

S XMTEXT="^UTILITY($J,""PHARM TRACK""," D ^XMD

K %,PSSTIME,PSSIEN,PSSNAME,PSSOLD,PSSNEW,PSSDUZ,^UTILITY($J),XMSUB,XMTE

XT,XMDUZ

Q

;