National Drug File (NDF)

Technical Manual

Version 4.0
October 1998

(Revised January 2018)

Revision History

The table below lists changes made since the initial release of this manual. Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. Either update the existing manual with the Change Pages document, or replace it with the updated manual.

Date	Revised Pages	Patch Number	Description
11/17	I, 6-10, 16-49, 56-57	PSN*4*513	Updated Revision History and Glossary. Added new routines and related menu options.
08/17	i-vi, 1-2 5 6 59	PSN*4*396	Updated Revision History & TOC Add CLNICAL EFFECTS OF DRUGS file additions to VA PRODUCT FILE #50.68 Added PPS-N information Added PPS-N UPDATE CONTROL FILE Add Routine PSNCLEHW Updated Index REDACTED
05/10	i-ii, 6, 7, 17-18	PSN*4*108	Added routines PSNFDAMG, and PSNMEDG to the list of routines. Routine PSNAPIS was modified. Added new option Display FDA Medication Guide [PSN MED GUIDE]. Added FDA Medication Guide to the Glossary. REDACTED
02/09	6, 10, 10b, 12e-f	PSN*4*169	Added routines PSNEN169 and PSNPO169. Described section added to the VA Product message as part of an NDF Management System change. Updated Notes Regarding Patches section. REDACTED
02/06	6	PSN*4*109	Added routine PSN5067 to the list of routines. REDACTED
08/05	iii, 6, 10b, 12c-d, 15, 21, 22	PSN*4*101	Added routines PSNVUID and PSNPREDS, an explanation of the data standardization project in a new section called Notes regarding Patches; moved changes to CS Federal Schedule field (patch PSN*4*65) to new section; updated Table of Contents, Glossary and Index. REDACTED

Date	Revised Pages	Patch Number	Description
10/04	i, 2, 6, 8	PSN*4*80	Added routines and a reference to the *Pharmacy Re-Engineering (PRE) Application Program Interface (API) Manual* created for the Pharmacy Re-Engineering (PRE) project Encapsulation cycle 1
09/03	7	PSN*4*70	Added two new options to the list of exported options.
07/03	Title Page, i-ii, 10b	PSN*4*65	Noted changes to CS Federal Schedule field.
04/03	Title Page, i, 15	PSN*4*20	Changed the RD access on several files.
04/03	Title Page, i, 6	PSN*4*68	Added the PSNPPIO routine to the list of routines.
02/03	Title Page, i-iv, 4a-4d, 6	PSN*4*62	-Replaced the Title Page, Revision History Page, and Table of Contents. -Added the Patient Medication Information (PMI) Sheet enhancement files and printer set-up. -Added print routine to the list of routines.
10/02	Title Page, i-iv, 12, 12a, 12b	PSN*4*64	-Replaced the Title Page (and associated blank page) and the Revision History Page (and associated blank page). -Added page numbers to the Revision History Pages and Table of Contents Pages. - Updated the Electronic MailMan Messages for Drugs Unmatched from the National Drug File.
10/02	Title Page 10, 10a, 10b, 11, 12, 12a, 12b	PSN*4*58	- Replaced the Title Page (and associated blank page) and the Revision History page (and associated blank page after it.) - Updated the Electronic MailMan Messages for Data Update for NDF, Updated Interactions, and Drugs Unmatched from National Drug File. This included new screen captures and required the addition of new pages.
09/01	Title Page 10-12	PSN*4*53	- Replaced the Title Page (and associated blank page) and the Revision History page (and associated blank page after it.) - Added a new Electronic Mail Message for Updated Interactions and added new screen captures for the Electronic Mail Messages for Data Update and Drugs Unmatched from National Drug File.

Date	Revised Pages	Patch Number	Description
02/00	6,7,9	PSN*4*22	Added a new option called *Inquire to National Files.*
10/98			Original Released Technical Manual.

(This page included for two-sided copying.)

Table of Contents

Introduction

The National Drug File (NDF) V. 4.0 software module provides standardization of the local drug files in all Department of Veterans Affairs Medical Centers (VAMCs). Standardization includes the adoption of new drug nomenclature and drug classification, and links the local drug file entries to data in the National Drug files.

For drugs approved by the Food and Drug Administration (FDA), VAMCs have access to information concerning dosage form, strength and unit; package size and type; manufacturer's trade name; and National Drug Code (NDC). The NDF software lays the foundation for sharing prescription information among VAMCs.

The NATIONAL DRUG file (#50.6) has been redesigned from a file seven multiples deep to a new file structure of four separate files. The new files are the VA PRODUCT file (#50.68), the NDC/UPN file (#50.67), the VA DISPENSE UNIT file (#50.64), and File #50.6, which is now the VA GENERIC file.

With this version of NDF, the new design of the NATIONAL DRUG file (#50.6) will lay the foundation for timely data releases by Pharmacy Benefits Management (PBM) personnel to field facilities using the NDF Management System. As new drug products are released, this information can be quickly sent to facilities. Pharmacy end users will be able to match (classify) a greater percentage of their local drug files for new products. Update/delivery of data will be controlled by PBM personnel. Frequent updating of NDF will be possible with minimal time for installation and downtime.

In addition to the redesign of NATIONAL DRUG file (#50.6), Version 4.0 will provide the following enhancements:

- Addition of new fields to NDF, such as National Formulary and restriction indicators.
- Lay foundation for interfaces to other Commercial Off The Shelf (COTS) software to update NDF fields for new/revised drug information.
- Update current NDF with new/revised product information.
- Creation of an Application Programmer's Interface (API) to accommodate all existing VistA software Database Integration Agreements (DBIAs) with NDF.
- A clean-up of associated files, such as DRUG MANUFACTURER (#55.95), DRUG UNITS (#50.607), etc.
- Incorporation of approved enhancement requests by Pharmacy/Information Resources Management (IRM) end users.

Patch PSN*4*396 added new fields for CLINICAL EFFECT OF DRUGS to the VA PRODUCT FILE (#50.68). These fields are in the multiple #50.68108 and include PACKAGE (#.01), OMIT EXP/DC ORDER CHECK (#1), DURATION LIMIT (#2), WASTE SORT CODE (#104) and DOT SHIPPING CODE (#105).

Pharmacy Product System – National (PPS-N)

With the release of PPS-N v3.0, the PPS-N system will provide update files for the National Drug File instead of the current Kernel Installation & Distribution System process. The update file names will be in the form PPS_xxPRV_xxNEW.DAT where xxPRV is the previous file number installed and xxNEW is the file number to be installed. For example, PPS_24PRV_25NEW.DAT would indicate that the 24 was the previous update file installed and 25 is the new one to be installed.

National SQA and local sites will need to perform configuration activities prior to initiating the PPS-N/NDF Update process. This is discussed in detail under the *PPS-N Site Parameters (Enter/Edit) [PSN PPS PARAM]* option that is located in the National Drug File V. 4.0 User Manual. See Appendix A in this document for configuration and specifications for communications with PPS-N.

Related Manuals

National Drug File V. 4.0 Release Notes
National Drug File V. 4.0 Installation Guide
National Drug File V. 4.0 User Manual
Pharmacy Re-Engineering (PRE) Application Program Interface (API) Manual

Icons

Icons used to highlight key points in this manual are defined as follows:

☐   Indicates the user should take note of the information.

Implementation and Maintenance

The VA Drug Classification System

The Department of Veterans Affairs Drug Classification system was developed to provide a systematic management approach to the classification of medications, including investigational and over-the counter drugs, prosthetic items, and expendable supplies. The system was designed to do the following:

- Support the inpatient and outpatient pharmacy activities;
- Facilitate the identification of drug-drug, drug-allergy, drug-lab, and drug-food interactions;
- Uphold the requirements for inventory accountability; substantiate and improve all patient medication-related activity;
- Provide an improved database to assist the health care provider;
- Provide a coordinated method of database communication for VA management;
- Facilitate the monitoring of investigational drugs; and
- Facilitate the control of prosthetic and supply items.

Each five-character alpha-numeric code specifies a broad classification and a specific type of product. The first two characters are letters and form the mnemonic for the major classification (e.g., AM for antimicrobials). Characters 3 through 5 are numbers and form the basis for sub-classification. For example, the classification system for the penicillin is as follows:

AM000 ANTIMICROBIALS
AM050 Penicillins
AM051 Penicillin-G Related Penicillins
AM052 Penicillins, Amino Derivatives
AM053 Penicillinase-Resistant Penicillins
AM054 Extended spectrum Penicillins

The VA Drug Classification system classifies drug products, not generic ingredients. Drug products with local effects are classified by route of administration (e.g., dermatological, ophthalmic). If a product is not classified by route of administration, in most cases, it is classified under a specific chemical or pharmacological classification (e.g., beta-blockers, cephalosporin). If a product is not classified by route of administration, or chemical or pharmacological sub-classification, it may be classified under a therapeutic category (e.g., antilipemic agents, antiparkinson agents).

Most combination products are found in the "other" sub-classification under each major classification unless a specific subcategory for combination products has been added or a descriptive comment indicates inclusion elsewhere. In addition, products which are not adequately described by a minor category or subcategory within the major classification are classified as "other" (e.g., metronidazole and vancomycin are classified as "Anti-Infectives, Other").

Resource Requirements

The following resources are required for the National Drug File software package:

Routines
    PSN* routines   approx. 4636 bytes

Implementation Requirements

There are no configurable site parameters involved in the implementation of this product. This module will not be distributed to field facilities. This module will only be installed on the system where the master National Drug files reside.

System Configuration

There are no site-specific parameters associated with NDF.

Assigning Keys, Menus, and Options

The installer must enter users into the test and production accounts, assigning the PSNMGR option as the primary menu option. The PSNMGR key must be assigned to the package coordinator and/or their designee. This key unlocks the *Allow Unmatched Drugs To Be Classed* [PSNSTCL] and *Local Formulary Report* [PSNFRMLY] menu options. Only users having this key will see these options on their menus.

Patient Medication Information (PMI) Sheet Redesign Enhancement

The PMI Sheet redesign is an enhancement to the NDF package V. 4.0. These enhancements support a new contract data source for Patient Medication Information that includes a new file structure.

Files

These files are part of a proprietary vendor database and are not part of the NDF core package. Patches PSN*4*67 and PSN*4*62 must be installed for the system to have access to these files.

File Number	File Name	Description
50.621	PMI-ENGLISH	This file contains the data provided by the vendor for PMIS monograph text entries in the English language. This file cannot be edited using FileMan options.
50.622	PMI-SPANISH	This file contains the data provided by the vendor for PMIS monograph text entries in the Spanish language. This file cannot be edited using FileMan options.
50.623	PMI-MAP-ENGLISH	This file contains data provided by the vendor required to map GCNSEQNO numbers to PMI-ENGLISH file (#50.621) monograph entries. This file cannot be edited using FileMan options.
50.624	PMI-MAP-SPANISH	This file contains data provided by the vendor required to map GCNSEQNO numbers to PMI-SPANISH file (#50.622) monograph entries. This file cannot be edited using FileMan options.
50.625	WARNING LABEL-ENGLISH	This file contains the data provided by the vendor for WARNING LABEL monograph text entries in the English language. This file cannot be edited using FileMan options.
50.626	WARNING LABEL-SPANISH	This file contains the data provided by the vendor for WARNING LABEL monograph text entries in the Spanish language. This file cannot be edited using FileMan options.
50.627	WARNING LABEL MAP	This file contains the data provided by the vendor, required to map GCNSEQNO numbers to WARNING LABEL-ENGLISH file (#50.625) and WARNING LABEL-SPANISH file

File Number	File Name	Description
		(#50.626) monograph entries. This file cannot be edited using FileMan options.

Set Up of the Patient Medication Information (PMI) Sheet Printers

The installer must enter information for each printer that will be used to print PMI Sheets. This information controls the bolding of the sub-headings on the sheets.

Hardware Set Up

The printer must be physically connected to the network and then defined in the DEVICE (#3.5) and TERMINAL TYPE (#3.2) files.

Software Set Up

The type of printer will determine the next step. Please refer to the User's Manual for each printer to establish the correct escape sequences for turning bolding on and off. These escape sequences are input to the following fields in the TERMINAL TYPE (#3.2) file:

HIGH INTENSITY (BOLD) (#27) field
NORMAL INTENSITY (RESET) (#29) field

If these fields do not contain escape sequences, then the bolding of the sub-headings on the PMI Sheets will not be displayed.

<u>Example Set Up</u>

The following is a set up example that was used in the development process. This example is provided to guide the user in this set up. Please note that it is only an example and may not hold true in all cases.

Example: Hewlett Packard or LexMark Example Set Up

From the printer technical manual the following are the escape sequences:

Bold On: $C(27)_"(s3B"
Bold Off: $C(27)_"(s0B"

In the TERMINAL TYPE (#3.2) file:

    To turn the bold on in the HIGH INTENSITY (BOLD) field (#27):

```
HIGH INTENSITY (BOLD) = $C(27)_"(s3B"
```

    To turn the bold off in the NORMAL INTENSITY (RESET) field (#29):

```
NORMAL INTENSITY (RESET) = $C(27)_"(s0B"
```

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Files

The NATIONAL DRUG file (#50.6) has been redesigned from a file of seven multiples deep to a new file structure of four separate files. The new files are the VA PRODUCT file (#50.68), the NDC/UPN file (#50.67), the VA DISPENSE UNIT file (#50.64), and File #50.6, which is now the VA GENERIC file.

The files required to run the NDF software are listed below.

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS	USER OVER RIDE
50.416	DRUG INGREDIENT	YES	YES	YES	OVER	NO	NO
50.6	VA GENERIC	YES	YES	NO			
50.605	VA DRUG CLASS	YES	YES	YES	OVER	NO	NO
50.606	DOSAGE FORM	YES	YES	YES	OVER	NO	NO
Partial DD: subDD 50.606 fld: .01							
50.607	DRUG UNITS	YES	YES	YES	OVER	NO	NO
50.608	PACKAGE TYPE	YES	YES	YES	OVER	NO	NO
50.609	PACKAGE SIZE	YES	YES	YES	OVER	NO	NO
50.612	NATIONAL DRUG TRANSLATION	YES	YES	NO			
50.64	VA DISPENSE UNIT	YES	YES	NO	OVER	NO	NO
50.67	NDC/UPN	YES	YES	NO			
50.68	VA PRODUCT	YES	YES	NO			
51.2	MEDICATION ROUTES	YES	YES	NO	MERG	NO	YES
Partial DD: subDD 51.2 fld: .01							
55.95	DRUG MANUFACTURER	YES	YES	YES	OVER	NO	NO
56	DRUG INTERACTION	YES	YES	NO	OVER	NO	NO
57.23	PPS-N UPDATE CONTROL FILE	YES	YES	NO			NO
59.7	PHARMACY SYSTEM	YES	YES	NO			
Partial DD: subDD 59.7 fld: 10							
fld: 10.1							
fld: 10.2							
fld: 11							
fld: 12							

This PPS-N UPDATE CONTROL file (#57.23) contains configuration and installation information for the Pharmacy Product System - National (PPS-N) file retrieval and installation process.

57.23	PPS-N UPDATE CONTROL FILE	YES	YES	NO			NO

Templates

Sort	File
PSNFRMSRT	50

Print	File
PSNFRMPRT	50
PSNHEAD	50
PSNLDG1	50
PSNPRINT	50.605
PSNRPT4	50
PSNACTION	56

Routines

The following is a list of routines you will see for NDF when you load the new routine set. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel option XU FIRST LINE PRINT (*First Line Routine Print*) to print a list of just the first line of each PSN* routine.

PSN4P4	PSN4POST	PSN4PRE	PSN50612	PSN50625
PSN50626	PSN50627	PSN5067	PSN50P41	PSN50P4A
PSN50P6	PSN50P65	PSN50P67	PSN50P68	PSN56
PSNACT	PSNAPIS	PSNAUTO	PSNBLD	PSNCLEAN
PSNCLEHW	PSNCLS	PSNCMOP	PSNCOMP	PSNCLPR
PSNDEX	PSNDDI1	PSNDEA	PSNDI	PSNDINT
PSNDRUG	PSNEN169	PSNEXC	PSNFDAMG	PSNFRMLY
PSNHEADR	PSNHELP	PSNHELP1	PSNHRFM	PSNHRFM1
PSNHIT	PSNLDG	PSNLOOK	PSNMCLS	PSNMEDG
PSNMRG	PSNNDC	PSNNDC1	PSNNFL	PSNNFL1
PSNNGR	PSNOCLS	PSNONDF	PSNOUT	PSNPFN
PSNPO169	PSNPPIO	PSNPPIP	PSNPPIP1	PSNPSS
PSNPST	PSNRPT3	PSNSTCK	PSNPRE	PSNPRE1
PSNPREDS	PSNUPN	PSNVAGN	PSNQA	PSNRPT
PSNRPT2	PSNVUIE	PSNXREF	PSNSTCL	PSNSUPLY
PSNTER	PSNVER	PSNVFY	PSNVIEW	PSNCFINQ
PSNFTP	PSNFTP2	PSNFTP3	PSNOSKEY	PSNPARM
PSNPPSCL	PSNPPSDL	PSNPPSI1	PSNPPSI2	PSNPPSI3
PSNPPSME	PSNPPSMG	PSNPPSMS	PSNPPSNC	PSNPPSNF
PSNPPSNK	PSNPPSNR	PSNPPSNU	PSNPPSNV	PSNPPSNW
PSNPPSNP	PSNVCR	PSNVCR1	PSNVCR2	

84 Routines

Exported Options

The National Drug File [PSNMGR] menu, assigned to all users, contains two locked options — *Allow Unmatched Drugs to Be Classed* [PSNSTCL] and *Formulary Report* [PSNFRMLY]. These options are unlocked by the PSNMGR key. This key must be assigned to the package coordinator or his/her designee. Only users that have this key will see these options on their menu.

The following are the options exported with NDF version 4.0:

National Drug File V. 4.0 Menu

```
REMA     Rematch/Match Single Drugs  [PSNDRUG]
VER      Verify Matches  [PSNVFY]
SVER     Verify Single Match  [PSNVER]
MERG     Merge National Drug File Data Into Local File  [PSNMRG]
AUTO     Automatic Match of Unmatched Drugs  [PSNAUTO]
CLAS     Allow Unmatched Drugs to be Classed  [PSNSTCL]
            [Locked:  PSNMGR]
RPRT     National Drug File Reports [PSNSUBM]
   LDF       Local Drug File Report  [PSNLDG]
   VAGN      Report of VA Generic Names from National Drug  [PSNVAGN]
   ATMP      Report of Attempted Match Drugs  [PSNEXC]
   PROD      VA Product Names Matched Report  [PSNPFN]
   NOCL      Local Drugs with No VA Drug Class Report  [PSNOCLS]
   CLVA      VA Drug Classification  [PSNCLS]
   DFL       NDF Info from Your Local Drug File  [PSNRPT]
   SUPL      Supply (XA000) VA Class Report  [PSNSUPLY]
   MANC      Manually Classed Drugs Report  [PSNMCLS]
   NMAT      Local Drugs with NO Match to NDF Report  [PSNONDF]
   *LOCF     Local Formulary Report  [PSNFRMLY]  [Locked: PSNMGR]
   NATF      National Formulary Report  [PSNNFL]
   DDIN      Drug-Drug Interaction Report  [PSNTER]
   CMOP      VA Products Marked for CMOP Transmission  [PSNCMOP]
   PNCL      VA Product Names By Class Report  [PSNCLPR]
   LDRG      Local Drugs Excluded from Drug-Drug Interactions [PSNODDI]
   VDRG      VA Products Excluded from Drug-Drug Interactions [PSNEXMPT]
INQ      Inquiry Options  [PSNQUER]
   LINQ      Inquire to Local Drug File  [PSNVIEW]
 **PNIN      Inquire to VA Product Info For Local Drug [PSNLOOK]
   NDCU      NDC/UPN Inquiry  [PSNUPN]
   NAT       Inquire to National Files [PSNACT]
PMIS     Print a PMI Sheet  [PSNPMIS]
FDA      Display FDA Medication Guide  [PSN MED GUIDE]
PPS      PPS-N Menu [PSN PPS MENU] [Locked with PSN PPS ADMIN]
   SD       Schedule download of NDF update file [PSN PPS SCHEDULE DOWNLOAD]
   SI       Schedule Install of NDF Update file [PSN PPS SCHEDULE INSTALL]
   MD       Manual Download of NDF Update file [PSN PPS MANUAL DOWNLOAD]
```

      MI   Manual Install of NDF Update file [PSN PPS MANUAL INSTALL]
      RJ   Reject/Complete of NDF Update file [PSN PPS REJECT FILE]
      SP   PPS-N Site Parameters (Enter/Edit) [PSN PPS PARAM]
      VC   Vista Comparison Report [PSN PPS VISTA COMPARISON RPT]
      DIS   Download/Install Status Report [PSN PPS DNLD/INST STATUS REP]
      SSH   Manage Secure Shell (SSH) Keys [PSN PPS SSH KEY MANAGEMENT]
   *   Formerly *Formulary Report*
 ** Formerly *Lookup National Drug Info in Local File.*

Archiving and Purging

The NDF software contains no archiving or purging capabilities. It is recommended that National Drug File remain online.

Callable Routines

The National Drug File contains one callable routine at the present time. This routine, PSNNGR, is used by the Allergy Tracking System software package. The routine is the actual point of entry.

This routine is to be used in conjunction with the allergies package. It expects an input of PSNDA=internal number in File 50.6 (VA GENERIC file). The routine returns ^TMP("PSN",$J,IFN)=Primary Ingredient. The IFN is the Internal number from File #50.416 (DRUG INGREDIENTS file) of Primary Ingredient. If PSNDA doesn't exist, PSNID and ^TMP("PSN",$J) are killed. The variables X,J,K,PSNPN are used and are killed before exiting.

For detailed information on all supported National Drug File APIs, see the *Pharmacy Re-Engineering (PRE) Application Program Interface (API) Manual* posted on the VistA Documentation Library (VDL) at http://www.va.gov/vdl/.

External Interfaces

The National Drug File V. 4.0 relies (minimum) on the following external packages. This software is not included in this package and must be installed before this version of NDF is completely functional.

Package	Minimum Version Needed
VA FileMan	21.0
Kernel	8.0
MailMan	7.1
Pharmacy Data Management	1.0
National Drug File	3.18
Adverse Reaction Tracking	4.0
Consolidated Mail Outpatient Pharmacy	2.0
Decision Support System	3.0
Drug Accountability	3.0
Immunology Case Registry	2.1
Inpatient Medications	4.5 or greater
Order Entry/Results Reporting	2.5 or greater
Outpatient Pharmacy	6.0 or greater
Web Services Client (HWSC)	1.0 or greater

*XOBW*1*4 patch must be installed.

The build will check to make sure that the site has the following patches installed:

Package	Patch Needed
Adverse Reaction Tracking V. 4.0	GMRA*4*13
Consolidated Mail Outpatient Pharmacy V. 2.0	PSX*2*18
Decision Support System V. 3.0	ECX*3*10
Drug Accountability V. 3.0	PSA*3*8
Immunology Case Registry V. 2.1	IMR*2.1*3
Inpatient Medications V. 4.5	PSJ*4.5*59
Inpatient Medications V. 5.0	PSJ*5*11, PSJ*5*14
Order Entry/Results Reporting V. 3.0	OR*3*33 *[CPRS sites only]*
Outpatient Pharmacy V. 6.0	PSO*6*173
Outpatient Pharmacy V. 7.0	PSO*7*10, PSO*7*11
Pharmacy Data Management V. 1.0	PSS*1*29

External Relations

Data Base Integration Agreements (DBIAs)

REDACTED

Internal Relations

All of the National Drug File software package options have been designed to stand-alone.

Package-Wide Variables

The National Drug File routines do not use package-wide variables.

Electronic MailMan Messages

When the data patches have been sent, you and holder(s) of the PSNMGR key will receive Mailman messages similar to the following examples.

The first MailMan message lists new VA products that have been added to the National Drug File, the active VA products that are unmarked for CMOP, the VA products for which the National Formulary Indicator is changed, and the VA products that have had the OVERRIDE dosage form excluded from dosage checks flag edited. The second MailMan message lists the interactions that have been added, edited, or inactivated in the National Drug File. The third MailMan message contains a list of drugs unmatched from the National Drug File.

MailMan Message 1: Data Update for NDF

```
Subj: DATA UPDATE FOR NDF  [#112345] 03 May 02 11:31  420 lines
From: NDF MANAGER  In 'IN' basket.  Page 1
-------------------------------------------------------------------

The following VA Products have been added to the National
Drug File.  You may wish to review, then match or unmatch
local drug file entries based on this updated information.

   ACCU-CHEK ACTIVE (GLUCOSE) TEST STRIP
     (CMOP - XZ355)         (DISPENSE UNIT - EA)
      050924-0681-01   050924-0475-50
   BOSENTAN 125MG TAB
     (CMOP - B0477)         (DISPENSE UNIT - TAB)
      066215-0102-06
   CHONDROITIN NA 40MG/HYALURONATE 30MG/ML INJ,OPH,SYRINGE,0.75ML
     (CMOP - C1041)         (DISPENSE UNIT - SYRINGE)
      008065-1839-75
   DIGOXIN (LANOXIN) 0.125MG TAB
     (CMOP - D0080)         (DISPENSE UNIT - TAB)
      000173-0242-75   000173-0242-30   000173-0242-55
   ESTRADIOL 25MCG TAB,VAG,APPLICATOR
     (CMOP - E0335)         (DISPENSE UNIT - EA)
      000009-5173-03   000009-5173-02   000009-5173-04
   FERROUS SO4 325MG TAB,EC,UD
     (CMOP - F0297)         (DISPENSE UNIT - TAB)
      000574-0608-11
   GLYCERIN 3%/SODIUM CL 0.75% SOLN,NASAL
     (CMOP - G0220)         (DISPENSE UNIT - ML)
      050930-0280-50   050930-0280-32
   HYDROGEN PEROXIDE 1.5% RINSE,ORAL
     (CMOP - H0408)         (DISPENSE UNIT - ML)
      010310-3186-00   038341-0800-80   038341-0801-60
   IBRITUMOMAB TIUXETAN IN-111 INJ,KIT
     (CMOP - I0336)         (DISPENSE UNIT - KIT)
      064406-0104-04

----------------------------------report continues----------------------------------
```

MailMan Message 1: Data Update for NDF (continued)

The National Formulary Indicator has changed for the following
VA Products. The National Formulary Indicator will automatically
be changed in your local DRUG file (#50). Please review the
VISN and Local Formulary designations of these products and
make appropriate changes.

FORMULARY ITEMS
    ACCU-CHEK ACTIVE (GLUCOSE) TEST STRIP
    AL OH 500MG/MG OH 400MG/SIMETHICONE 40MG/5ML LIQUID(ML)
    ALBUTEROL SO4 0.5% SOLN,INHL,5ML
    CLARITHROMYCIN 500MG TAB,SA,PKT,14
    EFAVIRENZ 600MG TAB
    ENOXAPARIN 120MG/0.8ML INJ,SYRINGE,0.8ML
    FOLIC ACID 1MG TAB,UD
    GUAIFENESIN 100MG/5ML (AF) LIQUID
    HEPATITIS A 720 EL.U/HEPATITIS B 20MCG/1ML VACCINE INJ
    HEPATITIS A 720 EL.U/HEPATITIS B 20MCG/ML VACCINE INJ,SYR,1ML

NON-FORMULARY ITEMS
    OPIUM 10% TINCTURE
    PROCAINAMIDE HCL 1000MG TAB,SA
    PROCAINAMIDE HCL 250MG CAP
    PROCAINAMIDE HCL 250MG TAB

The following active VA Products are no longer marked for CMOP.
All local drug file entries matched to these VA Products will
be UNMARKED for CMOP. In order to have these entries dispensed
by CMOP any local DRUG file (#50) entries matched to these
products must be re-matched to another VA product that is actively
marked for CMOP dispensing.

    ANTI-THYMOCYTE GLOBULIN (RABBIT) 25MG/VIL INJ   A1108
    BANDAGE,PROFORE FOUR LAYER SYSTEM,S-N #66000016   XX199
    ISOTRETINOIN 10MG CAP   I0085
    ISOTRETINOIN 20MG CAP   I0086
    ISOTRETINOIN 40MG CAP   I0087

The National Formulary Restriction has changed for the following VA Products.

    MONTELUKAST NA 10MG TAB
     Refer to leukotriene inhibitor criteria for use.
    MONTELUKAST NA 10MG TAB,UD
      Refer to leukotriene inhibitor criteria for use.
    PROCAINAMIDE HCL(PROCANBID)500MG TAB,SA
      Refer to Procainamide drug monitoring recommendations.

MailMan Message 1: Data Update for NDF (continued)

```
For the following VA Products, the OVERRIDE dosage form exclude from
dosage checks flag has been edited.

    INSULIN HUMULIN 70/30 (NPH/REG) INJ PEN,3ML     Yes
        DOSAGE FORM: INJ (excluded)
    TIOTROPIUM 18MCG CAP,INHL,5                      No
        DOSAGE FORM: CAP,INHL (not excluded)
    TIOTROPIUM 18MCG CAP,INHL,90                     No
        DOSAGE FORM: CAP,INHL (not excluded)
    ZER VACCINE LIVE (OKA/MERCK) INJ                 Yes
        DOSAGE FORM: INJ,LYPHL (not excluded)
```

MailMan Message 2: Updated Interactions

```
Subj: UPDATED INTERACTIONS  [#112242] 31 Jul 01 10:30  17 lines
From: NDF MANAGER  In 'IN' basket.   Page 1
-----------------------------------------------------------------------
The following interactions in National Drug File (NDF) have been added,
edited or inactivated.  These changes are the result of review and
recommendations from the NDF support group.

ADDED INTERACTIONS

   ALPRAZOLAM/NEFAZODONE                            Significant
   BUSPIRONE/NEFAZODONE                             Significant
   NEFAZODONE/TRIAZOLAM                             Significant

EDITED INTERACTIONS

   NONE

INACTIVATED INTERACTIONS

   NONE
```

MailMan Message 3: Drugs Unmatched from National Drug File

```
Subj: DRUGS UNMATCHED FROM NATIONAL DRUG FILE  [#1970] 03 Apr 02 13:55
137 lines
From: NDF MANAGER  In 'IN' basket.   Page 1
------------------------------------------------------------------------------


The following active entries in your DRUG file (#50) have been
unmatched from the National Drug File (NDF).  The VA Product
name and CMOP ID corresponding to the unmatched local drug file
names are listed on the indented line beneath each entry. An
Inactivation Date may be listed for entries when this reason
applies. Until you rematch these entries to NDF, they will not
transmit to CMOP and drug-drug interaction checks will not check
for these products.  It is critical that you rematch these
products immediately.  You may also need to match a new
orderable item.  Any possible dosages and local possible
dosages for these unmatched products have been deleted.
Therefore, the dosages for each unmatched product should
be reviewed after the rematch or recreated if the product
cannot be rematched to a VA Product through the NDF
matching process.


DRUG                                              IEN      INACTIVATION
                                                            DATE
CYCLOPHOSPHAMIDE 50MG C.T.                         6
  (CMOP C0332)     CYCLOPHOSPHAMIDE 50MG TAB                3/4/2002
    STRENGTH: 50   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE     PACKAGE   BCMA UNITS/DOSE
    1                   50        IO
    2                   100       IO
HYDROMORPHONE 2MG C.T.                             301
  (CMOP H0297)     HYDROMORPHONE HCL 2MG TAB
    STRENGTH: 2   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE     PACKAGE   BCMA UNITS/DOSE
    1                   2         O
    2                   4         IO
    LOCAL POSSIBLE DOSES
    DOSE     PACKAGE   BCMA UNITS/DOSE
    TEST        O
METHOCARBAMOL 750MG TAB                            132
  (CMOP M0055)     METHOCARBAMOL 750MG TAB
    STRENGTH: 500   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE     PACKAGE   BCMA UNITS/DOSE
    1                   500       IO
    2                   1000      IO
    3                   1500      IO
    LOCAL POSSIBLE DOSES
    DOSE     PACKAGE   BCMA UNITS/DOSE

---------------------------------report continues---------------------------------
```

MailMan Message 3: Drugs Unmatched from National Drug File (continued)

```
The following investigational entries in your DRUG file (#50) have been
unmatched from the National Drug File (NDF).  The VA Product
name and CMOP ID corresponding to the unmatched local drug file
names are listed on the indented line beneath each entry. An
Inactivation Date may be listed for entries when this reason
applies. Until you rematch these entries to NDF, they will not
transmit to CMOP and drug-drug interaction checks will not check
for these products.  It is critical that you rematch these
products immediately.  You may also need to match a new
orderable item.  Any possible dosages and local possible
dosages for these unmatched products have been deleted.
Therefore, the dosages for each unmatched product should
be reviewed after the rematch or recreated if the product
cannot be rematched to a VA Product through the NDF
matching process.


DRUG                                               IEN      INACTIVATION
                                                                 DATE
CHLORAMBUCIL 2MG TAB.                               5
  (CMOP C0551)     CHLORAMBUCIL 2MG TAB
    STRENGTH: 2   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE    PACKAGE   BCMA UNITS/DOSE
    1                   2          IO
    2                   4          IO
    3                   6          IO
NITROGLYCERIN 0.3MG S.L.T.                          245
  (CMOP N0056)     NITROGLYCERIN 0.3MG TAB,SUBLINGUAL
    STRENGTH: .3   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE    PACKAGE   BCMA UNITS/DOSE
    1                   .3         IO
    2                   .6         IO
    LOCAL POSSIBLE DOSES
    DOSE    PACKAGE   BCMA UNITS/DOSE
    1 PATCH     I
TEST DRUG IV                                        44
  (CMOP N0147)     NIZATIDINE 150MG CAP
    STRENGTH: 150   UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE     DOSE    PACKAGE   BCMA UNITS/DOSE
    1                   150        IO
    2                   300        IO
    LOCAL POSSIBLE DOSES
    DOSE    PACKAGE   BCMA UNITS/DOSE
```

--------------------------------------**report continues**--

MailMan Message 3: Drugs Unmatched from National Drug File (continued)

```
The following inactive entries in your DRUG file (#50) have been
unmatched from the National Drug File (NDF).  The VA Product
name and CMOP ID corresponding to the unmatched local drug file
names are listed on the indented line beneath each entry. An
Inactivation Date may be listed for entries when this reason
applies. Until you rematch these entries to NDF, they will not
transmit to CMOP and drug-drug interaction checks will not check
for these products.  It is critical that you rematch these
products immediately.  You may also need to match a new
orderable item.  Any possible dosages and local possible
dosages for these unmatched products have been deleted.
Therefore, the dosages for each unmatched product should
be reviewed after the rematch or recreated if the product
cannot be rematched to a VA Product through the NDF
matching process.


 DRUG                                             IEN      INACTIVATION
                                                             DATE


AZATHIOPRINE 50MG TAB                              1       2/2/1994
  (CMOP A0478)     AZATHIOPRINE 50MG TAB
    STRENGTH: 50    UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE       DOSE     PACKAGE   BCMA UNITS/DOSE
    1                     50         IO
    2                     100        IO            3
    LOCAL POSSIBLE DOSES
    DOSE     PACKAGE    BCMA UNITS/DOSE
    DOSE       IO         2
BUSULFAN 2MG TAB                                   4       3/4/2002
  (CMOP B0232)     BUSULFAN 2MG TAB
    STRENGTH: 2    UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE       DOSE     PACKAGE   BCMA UNITS/DOSE
    1                     2          IO
    2                     4          IO
CLOFIBRATE 500MG CAP                              189      3/4/2002
  (CMOP C0284)     CLOFIBRATE 500MG CAP
    STRENGTH: 500    UNITS: MG
    POSSIBLE DOSES
    DISP UNITS/DOSE       DOSE     PACKAGE   BCMA UNITS/DOSE
    1                     500        IO
    2                     1000       IO
    LOCAL POSSIBLE DOSES
    DOSE     PACKAGE    BCMA UNITS/DOSE
    TEST       IO         2
```

Notes Regarding Patches

Note on CS Federal Schedule

Patches PSN*4*64 and PSN*4*66 assign a CS Federal Schedule to controlled substances and identify controlled substances as narcotic or non-narcotic by populating the CS FEDERAL SCHEDULE field (#19) of the VA PRODUCT file (#50.68). Patch PSN*4*65 changes the *Merge National Drug File Data Into Local File* [PSNMRG] option so that the software checks each entry to see if the CS FEDERAL SCHEDULE field contains data. If an entry has a value for the CS FEDERAL SCHEDULE but its corresponding DEA, SPECIAL HDLG field (#3) of the DRUG file (#50) is blank, the DEA, SPECIAL HDLG field will be populated with the corresponding value using the following table:

	If a drug entry has a CS FEDERAL SCHEDULE of:	And its corresponding DEA, SPECIAL HDLG field is blank, the following DEA, SPECIAL HDLG code will be inserted:
Schedule I narcotics	1	1
Schedule II narcotics	2	2A
Schedule II non-narcotics	2n	2C
Schedule III narcotics	3	3A
Schedule III non-narcotics	3n	3C
Schedule IV narcotics	4	4
Schedule V narcotics	5	5

Patch PSN*4*65 ensures that the newly populated CS FEDERAL SCHEDULE field is included as part of the National Drug File details in the *Inquire to National Files* [PSNACT], *NDF Info From Your Local Drug File* [PSNRPT], *Verify Matches* [PSNVFY] and *Verify Single Match* [PSNVER] options.

Note regarding Patch PSN*4*101 Pharmacy Data Standardization

This patch does not affect any Pharmacy functionality or end-users. This patch requires the HEALTH DATA & INFORMATICS (HDI) 1.0 package in addition to required patch release checks.

The scope of Data Standardization - Pharmacy enhancement project is to modify the VISTA Pharmacy National Drug File (NDF) structures in order to meet the established standards for elements required by Data Standardization to implement a common set of standards for Clinical Health Data Repository (CHDR) and the Health Data Repository (HDR).

To accomplish data standardization with VISTA Pharmacy and data flow to CHDR and HDR, a Veterans Health Administration Unique Identifier (VUID) and the TERMSTATUS subscript Effective Date/Status will be populated in four files within the VISTA Pharmacy National Drug File package. VUID numbers will be generated dynamically and programmatically for each product. The VUID numbers have been assigned to National Drug File with a predetermined range (4000624- 4500623). There will be a one-time conversion to update the National Drug File package files. Once the Application Patch (PSN*4*101) and the VUID data have been installed in the four Globals for the Data Domain (NDF), the Application Post-install routine calls an API in the HDI package to update the VUID Seeding Process as Complete.

The four VISTA Pharmacy files being "standardized" are:

  VA PRODUCT file (#50.68)
  DRUG INGREDIENTS file (#50.416)
  VA DRUG CLASS file (#50.605)
  VA GENERIC file (#50.6)

Note regarding Patch PSN*4*169

This patch makes these corrections to the INQUIRE TO VA PRODUCT INFO FOR LOCAL DRUG [PSNLOOK] option:

       Problem: Sometimes the Active Ingredients would not display.
       Solution: The Active Ingredients will now always display.

       Problem: Sometimes the Strength that is displayed next to the Active
                Ingredient is actually the Strength of the VA Product.
       Solution: The Strength of the Active Ingredient will now accurately display.

       Problem: The Drug Unit was not always displaying.
       Solution: The Drug Unit will now always display.

       Problem: Only the CS FEDERAL SCHEDULE code was displaying, and
                not the text.
       Solution: For the CS FEDERAL SCHEDULE, both the code and text will
                now display.

       Problem: When displaying the Active Ingredients, the text (Primary) will
                no longer display next to an Active Ingredient that is a Primary
                Ingredient.
       Solution: The Primary Ingredient will now display if the Ingredient of the
                VA Product has a Primary Ingredient.

This patch makes these corrections to the INQUIRE TO NATIONAL FILES [PSNACT] option:

       Problem: Only the CS FEDERAL SCHEDULE code was displaying, and
                not the text.
       Solution: For the CS FEDERAL SCHEDULE, both the code and text will
                now display.

       Problem: The National Formulary Restriction display was being truncated
                after one line if it was two or more lines in length.
       Solution: The entire text entered for the National Formulary Restriction
                will now display.

(This page included for two-sided copying.)

Software Product Security

Security Management

National Drug File V. 4.0 does not impose any additional legal requirements on the user, nor does it relieve the user of any legal requirements.

PSNMGR Key

The PSNMGR key is assigned to the package coordinator or his/her designee. This key unlocks the *Allow Unmatched Drugs to be Classed* [PSNSTCL] and the *Local Formulary Report* [PSNFRMLY] options. Only users having this key will see these options on their menu.

These menu options are locked because the first allows you to assign a VA classification to an unmatched or unmatchable drug in the local DRUG file (#50), and the second allows you to print a Hospital Formulary Report.

The NATIONAL DRUG CLASS field (Field 25 of File 50) cannot be edited through VA FileMan, so *only* designated holders of the PSNMGR key can directly alter this field. The field may be altered in one of the following ways:

If the drug is matched to the National Drug files, the field is edited through the matching process in the National Drug File software. This change is automatic and not under user control.

If the drug is not matched, the NATIONAL DRUG CLASS field may be edited through the menu option *Allow Unmatched Drugs To Be Classed*, accessible only to users with the PSNMGR key.

Precautions and Potential Problems

It is strongly recommended that the DRUG file (#50) and the NATIONAL DRUG TRANSLATION file (#50.612) be included in the facility's backup procedures on a periodic and systematic basis. It is important to back up these two files before the option, *Merge National Drug File Data Into Local File,* is executed. The Information Resources Management (IRM) staff must be advised before this option is executed to ensure that appropriate back up is done prior to execution.

PSN PPS ADMIN Key
This key will be required for the PPS-N Menu of the National Drug file package.

PSN PPS COORD Key
This key is used by the National Drug File (PSN) package to grant certain users privileges to perform configuration updates.

File Security

File Numbers	File Names	DD	RD	WR	DEL	LAYGO
*50.416	DRUG INGREDIENTS	@	@	@	@	@
*50.6	VA GENERIC	@	Pp	@	@	@
*50.605	VA DRUG CLASS	@	@	@	@	@
50.606	DOSAGE FORM	@		@	@	@
50.607	DRUG UNITS	@	@	@	@	@
50.608	PACKAGE TYPE	@	@	@	@	@
50.609	PACKAGE SIZE	@	@	@	@	@
50.612	NATIONAL DRUG TRANSLATION	@		@	@	@
50.64	VA DISPENSE UNIT	@	Pp	@	@	@
50.67	NDC/UPN	@	Pp	@	@	@
*50.68	VA PRODUCT	@	Pp	@	@	@
51.2	MEDICATION ROUTES	@				
55.95	DRUG MANUFACTURER	@	@	@	@	@
56	DRUG INTERACTION	@				
57.23	PPS-N UPDATE CONTROL FILE	@	@	@	@	@
59.7	PHARMACY SYSTEM	^	@	^	^	^

*Denotes files that have been standardized by Patch PSN*4*101.

The four VistA Pharmacy files being "standardized" are:

   VA PRODUCT file (#50.68)
   DRUG INGREDIENTS file (#50.416)
   VA DRUG CLASS file (#50.605)
   VA GENERIC file (#50.6)

For more information regarding Pharmacy Data Standardization, please refer to page 14d.

Appendix A: PPS-N Update file configuration and specifications

Required Packages

In addition to the minimum packages indicated under the External Interfaces section, the following packages must be installed in order to communicate with PPS-N.

Package	Minimum Version Needed
VISTALINK (XOBV)	1.6
FOUNDATIONS (XOBU)	1.6
WEB SERVICE CLIENT (XOBW)	1.0

Configuration

The following sections describe configuring VistA to communicate with PPS-N. The information listed is defined upon installation of PSN*4*513.

Web Server and Service

Upon installation of patch of PSN*4*513, the ADPAC or IRM personnel need to make sure the Web Server and Web Services are updated correctly as shown below. Sites will be given the correct server to enter as they are brought on-board with PPS-N processing.

```
Select OPTION NAME: XOBW WEB SERVER MANAGER        Web Server Manager
Web Server Manager



Web Server Manager          Jul 20, 2017@16:48:36        Page:    1 of 1
                    HWSC Web Server Manager
                    Version: 1.0    Build: 9

 ID    Web Server Name          IP Address or Domain Name:Port
 1     *PPSN                    REDACTED








        Legend:  *Enabled
AS  Add Server                      TS  (Test Server)
ES  Edit Server                     WS  Web Service Manager
DS  Delete Server                   CK  Check Web Service Availability
EP  Expand Entry                    LK  Lookup Key Manager

Select Action:Quit// ES   Edit Server
Select Web Server: 1
NAME: PPSN//
SERVER: REDACTED  Replace >>> Make sure you have the correct
                                        server address.
PORT: 443//                      >>> Make sure port number is 443.
```

```
DEFAULT HTTP TIMEOUT: 30//
STATUS: ENABLED//


Security Credentials
====================
LOGIN REQUIRED:

SSL Setup
=========
SSL ENABLED: TRUE//                    >>> SSL Setup will not be available unless you
                                           have XOBW*1*4 patch installed.
SSL CONFIGURATION: encrypt_only//   >>> The SSL CONFIGURATION must be set to
                                           "encrypt_only".
SSL PORT: 443//                        >>> The SSL PORT must be 443.


Authorize Web Services
======================
Select WEB SERVICE: UPDATE_STATUS//
  WEB SERVICE: UPDATE_STATUS//
  STATUS: ENABLED//
```

Web Service validation:

```
Web Server Manager          Jul 20, 2017@16:54:15      Page:    1 of    1
                      HWSC Web Server Manager
                    Version: 1.0    Build: 9


 ID    Web Server Name          IP Address or Domain Name:Port
 1     *PPSN                     REDACTED





          Legend:  *Enabled
AS  Add Server                        TS  (Test Server)
ES  Edit Server                       WS  Web Service Manager
DS  Delete Server                     CK  Check Web Service Availability
EP  Expand Entry                      LK  Lookup Key Manager
Select Action:Quit// WS   Web Service Manager
```

```
Web Service Manager         Jul 20, 2017@16:54:18      Page:    1 of 1
                     HWSC Web Service Manager
                    Version: 1.0    Build: 9


 ID    Web Service Name         Type   URL Context Root
 1     UPDATE_STATUS            REST   /PRE/ndf/update/
```

```
          Enter ?? for more actions
AS  Add Service
ES  Edit Service
DS  Delete Service
EP  Expand Entry
Select Action:Quit// ES   Edit Service
Select Web Service: 1




========================================================================
 5     UPDATE_STATUS              REST   /PRE/ndf/update/
------------------------------------------------------------------------
                   Name: UPDATE_STATUS
                   Type: REST
    Registered Date/Time:
            Context Root: /PRE/ndf/update/
    Availability Resource: status

----------- Web servers 'UPDATE_STATUS' is authorized to: -----------------

- PPSN


------------------------------------------------------------------------

NAME: UPDATE_STATUS//
DATE REGISTERED:
TYPE: REST//
CONTEXT ROOT: /PRE/ndf/update///
AVAILABILITY RESOURCE: status//
```

Secure Shell (SSH) protocol and Secure File Transfer Protocol (SFTP)

SSH and SFTP are protocols used to retrieve the PPS-N update files from the PPS-N SFTP server. They provide a secure encrypted method of transferring files from one computer system to another.

SSH keys are used during the authentication process for downloading the .DAT file from the PPS-N SFTP server. Once the SSH keys have been created and the public key is installed at the PPS-N server, the data file can be downloaded using the options *Schedule download of NDF update file* [PSN PPS SCHEDULE DOWNLOAD] or *Manual Download of NDF Update file* [PSN DOWNLOAD NDF UPDATES] as described in the NDF user manual.

```
Select PPS-N Menu <FLD DDEV> Option: SSH  Manage Secure Shell (SSH) Keys

     Select one of the following:

        V          View Public SSH Key
        C          Create New SSH Key Pair
        D          Delete SSH Key Pair
        H          Help with SSH Keys

Action: V// Create New SSH Key Pair

Enter your Current Signature Code:    SIGNATURE VERIFIED

     Select one of the following:
```

```
            RSA         Rivest, Shamir & Adleman (RSA)
            DSA         Digital Signature Algorithm (DSA)

SSH Key Encryption Type: RSA//   Rivest, Shamir & Adleman (RSA)
```

NOTE:
It was noticed during IOC testing that the AITC SFTP server is configured to support **RSA** format so sites <u>must</u> use it.

```
Confirm Creation of SSH Keys? NO// YES

Creating New SSH Keys, please wait...Done

     Select one of the following:

          V          View Public SSH Key
          C          Create New SSH Key Pair
          D          Delete SSH Key Pair
          H          Help with SSH Keys

Action: V// View Public SSH Key
```

Public SSH Key (RSA) content (does not include dash lines):
```
----------------------------------------------------------------------------------------------------------------------------
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCsEikSHjQYXUTWVIlMp4KyabnAftBgwLKSnwYp51TG
9FW60ngoI6hnfGUehuGrkBWcrxN3AJUJNsGTDz/CqWQ4+OmLNZxH7N6RVGcYyAiWYF9CiE7+gqHEOKPc
B5/94ZuyTvn2cr0n+sZVTWklMqyAb0qqFR7xwY9jJrr22llN/YdE7CB0opPSnmK0FZ9fWPW9I+BNibnJ
fHMhmhRglv5qSjLhZyKuZa26y9fLCJp+LohHR+cA2dqFsDH0FbCksz2kwcyW4qin9IkK9vKWPGr30mK3
QmZdfqcskZdXD05QE9rQMrpK1nzWP2rS46NqQ7eukRYSmoJDb3Avgok9JHJj
----------------------------------------------------------------------------------------------------------------------------

Press Return to continue:

     Select one of the following:

          V          View Public SSH Key
          C          Create New SSH Key Pair
          D          Delete SSH Key Pair
          H          Help with SSH Keys

Action: V// ^
```

VMS Directory
If your site has not fully migrated to Linux you will need a new OpenVMS directory (e.g. USER$:[SFTP.PPSN]) to be used by the data download process. The proposed naming convention is only a recommendation, and a more knowledgeable and experienced System Manager may choose to setup the extract directory using existing drives and definitions. The directory name chosen must have the appropriate READ, WRITE, EXECUTE, and DELETE privileges. You must have administrator privileges when you perform this task in order to assure the directory is set up/created with the necessary permissions.

The following is an example to create the file transmission directory.

```
$ CREATE/DIRECTORY USER$:[SFTP.PPSN] /own=CACHEMGR
/PROTECTION=(S:RWED,O:RWED,G:RWED,W:RWED)/LOG
```

NOTE:

• The owner of the directory should be CACHEMGR.

• Where USER$=the disk of your choice (e.g. USER$, PQ$, etc.), however - SYS$ is not recommended.

• Confirm that the extract directory has similar protections and permissions.

```
$DIR/PROT/OWNER PPSN.DIR
Directory USER$:[000000]

PPSN.DIR;1 [CACHEMGR]  (RWED,RWED,RWED,RWED)
```

> **Action**: Once the directory has been created, please pass this directory name (e.g., "USER$:[SFTP.PPSN]") to the ADPAC/Pharmacy Chief/Pharmacy Informaticist. This will be used in the PPS-N Site parameters (Enter/Edit) "Outlined Below".

Linux Directories

If you have a LINUX operating system, the PPS-N download process will automatically create a directory to be used by the data download process. However, a more knowledgeable and experienced System Manager may choose to setup the extract directory using existing drives and definitions. The directory name chosen must have the appropriate READ, WRITE, EXECUTE, and DELETE privileges. You must have administrator privileges when you perform this task in order to assure the directory is set up/created with the necessary permissions.

The following is an example to create the file transmission directory. The field "directoryPath/Name" is where you would enter the path to the directory and the new directory name (i.e. /srv/vista/bham/user/sftp/PPSN/ where bham is the site specific folder).

```
$mkdir /srv/vista/bham/user/sftp/PPSN/

$chmod 777 /srv/vista/bham/user/sftp/PPSN/

$ls -l

  1 drwxrwxrwx.  5 chey1200 cacheusr      4096 Aug  4 11:13 PPSN
```

NOTE:

• The owner of the directory should be CACHEMGR.

• Where USER$=the disk of your choice (e.g. USER$, PQ$, etc.), however - SYS$ is not recommended.

• Confirm that the extract directory has similar protections and permissions.

> **Action**: Once the directory has been created, please pass this directory name (e.g., "USER$:[SFTP.PPSN]") to the ADPAC/Pharmacy Chief/Pharmacy Informaticist. This will be used in the PPS-N Site parameters (Enter/Edit) "Outlined Below".

PPS-N Site Parameters

Install Version Number
This field contains the current version number of the last successful Pharmacy Product System - National (PPS-N) Update file that was installed. For example if the last PPS-N Update file installed was PPS_25PRV_26NEW.DAT, this field would contain 26.

Download Version Number
This field contains the version number for the last Pharmacy Product System - National (PPS-N) Update file downloaded.   For example if the last PPS-N Update file downloaded was PPS_25PRV_26NEW.DAT, this field would contain 26.

Open VMS Local Directory
This field contains the name of the local Open VMS directory where the Pharmacy Product System - National (PPS-N) Update file will be stored on the local system after it is downloaded from the PPS-N server (e.g., USER$:[SFTP.PPSN]).

Unix/Linux Local Directory
This field contains the name of the local Unix/Linux directory where the Pharmacy Product System - National (PPS-N) Update file will be stored on the local system after download from the PPS-N server (e.g. /user/sftp/PPSN/) and the option may prompt you for the following after enter the data and press <Enter> through it:

```
        The directory above could not be found.

           Would you like to create it now? N// <<<<Answer YES>>>
```

Remote Server Address
This is the secure FTP IP address of the Pharmacy Product System-National (PPS-N) server where the PPS-N NDF Update file will be retrieved.

Remote Server Directory
This is the directory name at the Pharmacy Product System-National (PPS-N) server where the PPS-N NDF Update file will be retrieved.

Remote SFTP User ID
This field contains the secure FTP username at the Pharmacy Product System – National (PPS-N) server where the PPS-N NDF Update file will be retrieved.

Primary PPS-N Mail Group
This field is used to store the MS Outlook email group that will receive a copy of the PPS-N update messages. These messages include download and install information, the Data Update for NDF report message, Updated Interactions and FDA Med Guide, Drugs Unmatched from National Drug file, Local Drugs Re-matched to NDF, Interactions and Allergies Updated, and error messages.

Secondary PPS-N Mail group
This field is used to store the secondary MS Outlook email group that will receive a copy of the PPS-N update messages. These messages include download and install information, the Data Update for NDF report message, Updated Interactions and FDA Med Guide, Drugs Unmatched from National Drug file, Local Drugs Re-matched to NDF, Interactions and Allergies Updated, and error messages.

PPS-N Account Type
This field defines the type of Pharmacy Product System - National (PPS-N) account. The account type can be one of the following: "Q" for National Test SQA system, "T" for Test/Mirror account, "S" for Product Support, "N" for QA NDFMS account, or "P" for Production account. Local VA sites will use "P" for their production accounts and "T" for their test/mirror accounts.

Legacy Update Processing
This field denotes YES or NO if the National Drug File will be updated by the legacy FORUM patch release process or the Pharmacy Product System - National 3.0 Update file process.

The following selection options will be available to the user based on the PPS-N Account Type field as follows:

If Account Type is 'Q' or 'N', only the NO option will be available. Otherwise, YES and NO options will be available for selection.

Download Status
This field is used to track the status of a PPS-N/NDF Update file download from the PPS-N sftp server. The possible values for this field are:

       IN PROGRESS - PPS-N/NDF file is currently being downloaded
       NOT IN PROGRESS - PPS-N/NDF file is not being downloaded

Install Status
This field is used to track the status of a PPS-N/NDF Update file install into the National Drug file package. The possible values for this field are:

       IN PROGRESS - PPS-N/NDF file is currently being installed
       NOT IN PROGRESS - PPS-N/NDF file is not being installed

DISABLE Scheduled Options, Menu Options and Protocols

Under this field, the site will select scheduled options, menu options, and protocols that needs be marked out of order during the data file installation process.

QA account example

```
Pharmacy Product System-National(PPS-N) Site Parameters
-----------------------------------------------------------------------------
```

```
 1.  PPS-N Install Version      : 0
 2.  PPS-N Download Version     : 0
 3. *Open VMS Local Directory   : USER$:[ REDACTED USER.PPSN.NDFE]
 4. *Unix/Linux Local Directory :
 5. *Remote Server Address      : REDACTED
 6. *Remote Server Directory    : /u01/app/pps/staging/pending/
 7. *Remote SFTP Username       : presftp
 8.  Primary PPS-N Mail Group   : REDACTED
 9.  Secondary PPS-N Mail group : REDACTED
10. *PPS-N Account Type         : Q - National SQA Testing
11. *Legacy Update Processing   : NO
12. *Download Status            : NOT IN PROGRESS
13. *Install Status             : NOT IN PROGRESS
14.  Disable Menus, Options, etc :
--------------------------------------------------------------------------------

Select field number to Edit:
```

NDFMS account example

```
Pharmacy Product System-National(PPS-N) Site Parameters
--------------------------------------------------------------------------------

 1.  PPS-N Install Version      : 0
 2.  PPS-N Download Version     : 0
 3. *Open VMS Local Directory   : USER$:[ REDACTED MUSER.PPSN.BTN]
 4. *Unix/Linux Local Directory :
 5. *Remote Server Address      : REDACTED
 6. *Remote Server Directory    : REDACTED
 7. *Remote SFTP Username       : presftp
 8.  Primary PPS-N Mail Group   : REDACTED
 9.  Secondary PPS-N Mail group : REDACTED
10. *PPS-N Account Type         : N - QA NDFMS
11. *Legacy Update Processing   : NO
12. *Download Status            : NOT IN PROGRESS
13. *Install Status             : NOT IN PROGRESS
14.  Disable Menus, Options, etc :
--------------------------------------------------------------------------------

Select field number to Edit:
```

Site Production Account example

```
Pharmacy Product System-National(PPS-N) Site Parameters
--------------------------------------------------------------------------------

 1.  PPS-N Install Version      : 0
 2.  PPS-N Download Version     : 0
 3. *Open VMS Local Directory   : USER$:[ REDACTED USER.PPSN.DMS]
 4. *Unix/Linux Local Directory :
 5. *Remote Server Address      : REDACTED
 6. *Remote Server Directory    : REDACTED
 7. *Remote SFTP Username       : REDACTED
 8.  Primary PPS-N Mail Group   : REDACTED
 9.  Secondary PPS-N Mail group : REDACTED
10. *PPS-N Account Type         : P - Production
11. *Legacy Update Processing   : NO
12. *Download Status            : NOT IN PROGRESS
13. *Install Status             : NOT IN PROGRESS
14.  Disable Menus, Options, etc :
```

```
--------------------------------------------------------------------------------

Select field number to Edit:
```

PPS-N Update file structure

The PPS-N update file is structured like the Kernel Distribution & Installation (KIDS) builds and has the same types of records. The following gives an overview of the file.

PMIDATA
Example record from the .DAT file

```
PMIDATA^50.621^0
PMI-ENGLISH^50.621^9385^2551
PMIDATA^50.621^.5^0
3160223
PMIDATA^50.621^1^0
ALLOPURINOL - ORAL
PMIDATA^50.621^1^B^0
^^1^1^3160223
PMIDATA^50.621^1^B^1^0

PMIDATA^50.621^1^F^0
^^1^1^3160223
PMIDATA^50.621^1^F^1^0
(AL-oh-PURE-i-nol)
PMIDATA^50.621^1^C^0
^^1^1^3160223
PMIDATA^50.621^1^C^1^0
COMMON BRAND NAME(S): Zyloprim
PMIDATA^50.621^1^U^0
^^7^7^3160223
PMIDATA^50.621^1^U^1^0
USES:  Allopurinol is used to treat gout and certain types of
PMIDATA^50.621^1^U^2^0
kidney stones. It is also used to prevent increased uric acid
PMIDATA^50.621^1^U^3^0
levels in patients receiving cancer chemotherapy. These patients
PMIDATA^50.621^1^U^4^0
can have increased uric acid levels due to release of uric acid
PMIDATA^50.621^1^U^5^0
from the dying cancer cells. Allopurinol works by reducing the
PMIDATA^50.621^1^U^6^0
amount of uric acid made by the body. Increased uric acid levels
PMIDATA^50.621^1^U^7^0
can cause gout and kidney problems.
PMIDATA^50.621^1^H^0
^^23^23^3160223
PMIDATA^50.621^1^H^1^0
HOW TO USE:  Take this medication by mouth, usually once daily or
PMIDATA^50.621^1^H^2^0
as directed by your doctor. Take this medication after a meal to
PMIDATA^50.621^1^H^3^0
reduce stomach upset. If your dose is more than 300 milligrams a
PMIDATA^50.621^1^H^4^0
day, you will need to take several smaller doses during the day
PMIDATA^50.621^1^H^5^0
to get this amount (ask your doctor for directions).
PMIDATA^50.621^1^H^6^0
It is best to drink a full glass of water with each dose and
```

PMIDATA^50.621^1^H^7^0
at least 8 more glasses (8 ounces each) of fluid a day. If your
PMIDATA^50.621^1^H^8^0
doctor has directed you to drink less fluid for other medical
PMIDATA^50.621^1^H^9^0
reasons, consult your doctor for further instructions. Your
PMIDATA^50.621^1^H^10^0
doctor may also instruct you on how to decrease acid in your
PMIDATA^50.621^1^H^11^0
urine (e.g., avoiding large amounts of ascorbic acid/vitamin C).
PMIDATA^50.621^1^H^12^0
Dosage is based on your medical condition and response to
PMIDATA^50.621^1^H^13^0
treatment. Use this medication regularly to get the most benefit
PMIDATA^50.621^1^H^14^0
from it. To help you remember, take it at the same time(s) each
PMIDATA^50.621^1^H^15^0
day.
PMIDATA^50.621^1^H^16^0
For the treatment of gout, it may take up to several weeks for
PMIDATA^50.621^1^H^17^0
this medicine to have an effect. You may have more gout attacks
PMIDATA^50.621^1^H^18^0
for several months after starting this medicine while the body
PMIDATA^50.621^1^H^19^0
removes extra uric acid. Allopurinol is not a pain reliever. To
PMIDATA^50.621^1^H^20^0
relieve pain from gout, continue to take your prescribed
PMIDATA^50.621^1^H^21^0
medicines for gout attacks (e.g., colchicine, ibuprofen,
PMIDATA^50.621^1^H^22^0
indomethacin) as directed by your doctor.
PMIDATA^50.621^1^H^23^0
Tell your doctor if your condition persists or worsens.
PMIDATA^50.621^1^S^0
^^29^29^3160223
PMIDATA^50.621^1^S^1^0
SIDE EFFECTS: Stomach upset, nausea, diarrhea, or drowsiness may
PMIDATA^50.621^1^S^2^0
occur. If any of these effects persist or worsen, tell your
PMIDATA^50.621^1^S^3^0
doctor or pharmacist promptly.
PMIDATA^50.621^1^S^4^0
Remember that your doctor has prescribed this medication
PMIDATA^50.621^1^S^5^0
because he or she has judged that the benefit to you is greater
PMIDATA^50.621^1^S^6^0
than the risk of side effects. Many people using this medication
PMIDATA^50.621^1^S^7^0
do not have serious side effects.
PMIDATA^50.621^1^S^8^0
Tell your doctor right away if any of these rare but very
PMIDATA^50.621^1^S^9^0
serious side effects occur: numbness/tingling of arms/legs, easy
PMIDATA^50.621^1^S^10^0
bleeding/bruising, signs of infection (e.g., fever, persistent
PMIDATA^50.621^1^S^11^0
sore throat), unusual tiredness, painful/bloody urination, change
PMIDATA^50.621^1^S^12^0
in the amount of urine, yellowing eyes/skin, severe
PMIDATA^50.621^1^S^13^0
stomach/abdominal pain, persistent nausea/vomiting, dark urine,
PMIDATA^50.621^1^S^14^0

unusual weight loss, eye pain, vision changes.
PMIDATA^50.621^1^S^15^0
A very serious (possibly fatal) allergic reaction to this drug
PMIDATA^50.621^1^S^16^0
is rare. However, seek immediate medical attention if you notice
PMIDATA^50.621^1^S^17^0
any symptoms of a serious allergic reaction, including: rash,
PMIDATA^50.621^1^S^18^0
itching/swelling (especially of the face/tongue/throat), severe
PMIDATA^50.621^1^S^19^0
dizziness, trouble breathing.
PMIDATA^50.621^1^S^20^0
This is not a complete list of possible side effects. If you
PMIDATA^50.621^1^S^21^0
notice other effects not listed above, contact your doctor or
PMIDATA^50.621^1^S^22^0
pharmacist.
PMIDATA^50.621^1^S^23^0
In the US -
PMIDATA^50.621^1^S^24^0
Call your doctor for medical advice about side effects. You
PMIDATA^50.621^1^S^25^0
may report side effects to FDA at 1-800-FDA-1088 or at
PMIDATA^50.621^1^S^26^0
www.fda.gov/medwatch.
PMIDATA^50.621^1^S^27^0
In Canada - Call your doctor for medical advice about side
PMIDATA^50.621^1^S^28^0
effects. You may report side effects to Health Canada at
PMIDATA^50.621^1^S^29^0
1-866-234-2345.
PMIDATA^50.621^1^P^0
^^22^22^3160223
PMIDATA^50.621^1^P^1^0
PRECAUTIONS: Before taking allopurinol, tell your doctor or
PMIDATA^50.621^1^P^2^0
pharmacist if you are allergic to it; or if you have had a severe
PMIDATA^50.621^1^P^3^0
reaction to it; or if you have any other allergies. This product
PMIDATA^50.621^1^P^4^0
may contain inactive ingredients, which can cause allergic
PMIDATA^50.621^1^P^5^0
reactions or other problems. Talk to your pharmacist for more
PMIDATA^50.621^1^P^6^0
details.
PMIDATA^50.621^1^P^7^0
Before using this medication, tell your doctor or pharmacist
PMIDATA^50.621^1^P^8^0
your medical history, especially of: liver disease, kidney
PMIDATA^50.621^1^P^9^0
disease, diabetes, high blood pressure (hypertension), unusual
PMIDATA^50.621^1^P^10^0
diets (e.g., fasting).
PMIDATA^50.621^1^P^11^0
This drug may make you drowsy. Do not drive, use machinery, or
PMIDATA^50.621^1^P^12^0
do any activity that requires alertness until you are sure you
PMIDATA^50.621^1^P^13^0
can perform such activities safely.
PMIDATA^50.621^1^P^14^0
Alcohol may decrease the effectiveness of this drug. Limit
PMIDATA^50.621^1^P^15^0
alcoholic beverages.

```
PMIDATA^50.621^1^P^16^0
Kidney function declines as you grow older. This medication is
PMIDATA^50.621^1^P^17^0
removed by the kidneys. Therefore, older adults may be at greater
PMIDATA^50.621^1^P^18^0
risk for side effects while using this drug.
PMIDATA^50.621^1^P^19^0
During pregnancy, this medication should be used only when
PMIDATA^50.621^1^P^20^0
clearly needed. Discuss the risks and benefits with your doctor.
PMIDATA^50.621^1^P^21^0
Allopurinol passes into breast milk. Consult your doctor
PMIDATA^50.621^1^P^22^0
before breast-feeding.
PMIDATA^50.621^1^I^0
^^19^19^3160223
PMIDATA^50.621^1^I^1^0
DRUG INTERACTIONS:  Your doctor or pharmacist may already be
PMIDATA^50.621^1^I^2^0
aware of any possible drug interactions and may be monitoring you
PMIDATA^50.621^1^I^3^0
for them. Do not start, stop, or change the dosage of any
PMIDATA^50.621^1^I^4^0
medicine before checking with your doctor or pharmacist first.
PMIDATA^50.621^1^I^5^0
This drug should not be used with the following medication
PMIDATA^50.621^1^I^6^0
because very serious interactions may occur: didanosine.
PMIDATA^50.621^1^I^7^0
If you are currently using this medication, tell your doctor
PMIDATA^50.621^1^I^8^0
or pharmacist before starting allopurinol.
PMIDATA^50.621^1^I^9^0
Before using this medication, tell your doctor or pharmacist
PMIDATA^50.621^1^I^10^0
of all prescription and nonprescription/herbal products you may
PMIDATA^50.621^1^I^11^0
use, especially of: certain asthma drugs (aminophylline,
PMIDATA^50.621^1^I^12^0
theophylline), azathioprine, "blood thinners" (e.g., warfarin),
PMIDATA^50.621^1^I^13^0
chlorpropamide, cyclosporine, mercaptopurine, "water pills"
PMIDATA^50.621^1^I^14^0
(e.g., thiazide diuretics such as hydrochlorothiazide).
PMIDATA^50.621^1^I^15^0
This document does not contain all possible interactions.
PMIDATA^50.621^1^I^16^0
Therefore, before using this product, tell your doctor or
PMIDATA^50.621^1^I^17^0
pharmacist of all the products you use. Keep a list of all your
PMIDATA^50.621^1^I^18^0
medications with you, and share the list with your doctor and
PMIDATA^50.621^1^I^19^0
pharmacist.
PMIDATA^50.621^1^O^0
^^4^4^3160223
PMIDATA^50.621^1^O^1^0
OVERDOSE:  If overdose is suspected, contact a poison control
PMIDATA^50.621^1^O^2^0
center or emergency room right away. US residents can call their
PMIDATA^50.621^1^O^3^0
local poison control center at 1-800-222-1222. Canada residents
PMIDATA^50.621^1^O^4^0
```

```
can call a provincial poison control center.
PMIDATA^50.621^1^N^0
^^8^8^3160223
PMIDATA^50.621^1^N^1^0
NOTES:  Do not share this medication with others.
PMIDATA^50.621^1^N^2^0
Laboratory and/or medical tests (e.g., uric acid blood levels,
PMIDATA^50.621^1^N^3^0
liver/kidney function tests, complete blood count) may be
PMIDATA^50.621^1^N^4^0
performed periodically to monitor your progress or check for side
PMIDATA^50.621^1^N^5^0
effects. Consult your doctor for more details.
PMIDATA^50.621^1^N^6^0
If you are taking allopurinol to treat kidney stones, you may
PMIDATA^50.621^1^N^7^0
benefit from a special diet. Consult your doctor for more
PMIDATA^50.621^1^N^8^0
details.
PMIDATA^50.621^1^D^0
^^4^4^3160223
PMIDATA^50.621^1^D^1^0
MISSED DOSE:  If you miss a dose, take it as soon as you
PMIDATA^50.621^1^D^2^0
remember. If it is near the time of the next dose, skip the
PMIDATA^50.621^1^D^3^0
missed dose and resume your usual dosing schedule. Do not double
PMIDATA^50.621^1^D^4^0
the dose to catch up.
PMIDATA^50.621^1^R^0
^^11^11^3160223
PMIDATA^50.621^1^R^1^0
STORAGE:  Store the US product at room temperature between 59-77
PMIDATA^50.621^1^R^2^0
degrees F (15-25 degrees C) away from light and moisture. Do not
PMIDATA^50.621^1^R^3^0
store in the bathroom.
PMIDATA^50.621^1^R^4^0
Store the Canadian product at room temperature between 59-86
PMIDATA^50.621^1^R^5^0
degrees F (15-30 degrees C) away from light and moisture.
PMIDATA^50.621^1^R^6^0
Keep all medicines away from children and pets.
PMIDATA^50.621^1^R^7^0
Do not flush medications down the toilet or pour them into a
PMIDATA^50.621^1^R^8^0
drain unless instructed to do so. Properly discard this product
PMIDATA^50.621^1^R^9^0
when it is expired or no longer needed. Consult your pharmacist
PMIDATA^50.621^1^R^10^0
or local waste disposal company for more details about how to
PMIDATA^50.621^1^R^11^0
safely discard your product.
```

Data Values

The following is an example for file 50.621 and the entries are in order of the example above. The same types of entries are present for files 50.622 – 56.628.

Piece	Node	Description/Field Name	Data	Data Type
1		SEGMENT	PMIDATA	Text

2		File	50.621	Number
3	0	Node level	0	Number
1	0	File Name	PMI-ENGLISH	Text
2	0	File Number	50.621	Number
3	0	# of entries in the file	9385	Number
4	0	Last entry	2551	Number
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3		Field	.5	Number
4	.5,0	Sequence	0	Number
1	.5,0	Date	316223	Date
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,0	Sequence	0	Number
1	1,0	TITLE field (#.01)	ALLOPURINOL – ORAL	Text
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,B	Node	B	Word Processing
5	1,B,0	Sequence	0	Number
1	1,B,0	Value for zero node of the word processing field `^PS(50.621,1,"B",0)= "^^1^1^3160223"`	^^1^1^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,B	Node for word processing field	B	Text
5	1,B,1	BLANK LINE field (#2) sequence number	1	Number
6	1,B,1,0	Sequence	0	Number
1	1,B,1,0	BLANK LINE field (#2) value. `^PS(50.621,1,"B",1,0)=" "`	Null	Word Processing
1		SEGMENT	PMIDATE	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,F	Node for word processing field	F	Text
5	1,F,0	Sequence	0	Number

1	1,F,0	Value for zero node of the word processing field
		`^PS(50.621,1,"F",0)=`
		`"^^1^1^3160223"`
			^^1^1^3160223	Word Processing

1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,F	Node for word processing field	F	Text
5	1,F,1	PHONENETICS field (#3) sequence number	1	Number
6	1,F,1,0	Sequence	**0**	Number

1	1,F,1,0	PHONENETICS field (#3) value.
		`^PS(50.621,1,"F",1,0)="(A`
		`L-oh-PURE-i-nol)"`
			AL-oh-PURE-i-nol	Word Processing

1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,C	Node for word processing field	C	Text
5	1,C,0	Sequence	0	Number

1	1,C,0	Value for zero node of the word processing field node.
		`^PS(50.621,1,"C",0)=`
		`"^^1^1^3160307"`
			^^1^1^3160223	Word Processing

1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,C	Node for word processing field	C	Text
5	1,C,1	COMMON BRAND NAMES field (#1) sequence number	1	Number
6	1,C,1,0	Sequence	0	Number

1	1,C,1,0	Sequence 1 for COMMON BRAND NAMES field (#1) value.
		`^PS(50.621,1,"C",1,0)="CO`
		`MMON BRAND NAME(S):`
		`Zyloprim"`
			COMMON BRAND NAME(S): Zyloprim	Word Processing

1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,U	Node for word processing field	U	Text
5	1,U,0	Sequence	0	Number

1	1,U,0	Value for zero node of the word processing field node.	^^1^1^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,U	Node for word processing field	U	Text
5	1,U,1	USES field (#5) sequence number	1	Number
6	1,U,1,0	Sequence	0	Number
1	1,U,1 – 7,0	USES field (#5) sequence number 1 value	Example, sequence 1 is: Sequence 1 = USES: Allopurinol is used to treat gout and certain types of	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,H	Node for word processing field	H	Text
5	1,H,0	Sequence	0	Number
1	1,H,0	HOW TO TAKE field (#4) zero node.	^^23^23^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,H	Node for word processing field	H	Text
5	1,H,1	HOW TO TAKE field (#4) sequence number	1	Number
6	1,H,1,0	Sequence	0	Number
	1,H,1 – 23,0	HOW TO TAKE field (#4) sequence 1 – 23.	Example, sequence 1 is: Sequence 1 = For the treatment of gout, it may take up to several weeks for	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,S	Node for word processing field	S	Text
5	1,S,0	Sequence	0	Number

1	1,S,0	SIDE EFFECTS field (#6) zero node	^^29^29^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,S	Node for word processing field	S	Text
5	1,S,1	SIDE EFFECTS field (#6) sequence number	1	Number
6	1,S,1,0	Sequence	0	Number
	1,S,1 – 29,0	SIDE EFFECTS field (#6) sequence 1 – 29.	Example, sequence 1 is: Sequence 1 = For the treatment of gout, it may take up to several weeks for	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,P	Node for word processing field	P	Text
5	1,P,0	Sequence	0	Number
1	1,P,0	PRECAUTIONS field (#11) zero node	^^22^22^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,P	Node for word processing field	P	Text
5	1,P,1	SIDE EFFECTS field (#6) sequence number	1	Number
6	1,P,1,0	Sequence	0	Number
1	1,P,1 – 22	PRECAUTIONS field (#11) sequence numbers 1-22	Example, sequence 1 is: PRECAUTIONS: Before taking allopurinol, tell your doctor or	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,I	Node for word processing field	I	Text
5	1,I,0	Sequence	0	Number
1	1,I,0	DRUG INTERACTIONS field (#10) zero node.	^^19^19^3160223	Word Processing
1		SEGMENT	PMIDATA	Text

2		File	50.621	Number
3	1	Field	1	Number
4	1,I	Node for word processing field	I	Text
5	1,I,1	DRUG INTERACTIONS field (#10) sequence number	1	Number
6	1,I,1,0	Sequence	0	Number
1	1,I,1 - 19	DRUG INTERACTIONS field (#10) sequence 1-19.	Example, sequence 1 is: DRUG INTERACTIONS: Your doctor or pharmacist may already be	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,O	Node for word processing field	O	Text
5	1,O,0	Sequence	0	Number
	1,O,0	OVERDOSE field (#8) zero node	^^4^4^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,O	Node for word processing field	O	Text
5	1,O,1	DRUG INTERACTIONS field (#10) sequence number	1	Number
6	1,O,1,0	Sequence	0	Number
	1,O,1 – 4	OVERDOSE field (#8) sequence 1 – 4	Example, sequence 1 is: OVERDOSE: If overdose is suspected, contact a poison control	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,N	Node for word processing field	N	Text
5	1,N,0	Sequence	0	Number
1	1,N,0	NOTES field (#14) zero node.	^^8^8^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number

4	1,N	Node for word processing field	N	Text
5	1,N,1	NOTES field (#14) sequence number	1	Number
6	1,N,1,0	Sequence	0	Number
1	1,N,1 – 8	NOTES field (#14) sequence 1-8)	Example, sequence 1 is: NOTES: Do not share this medication with others.	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,D	Node for word processing field	D	Text
5	1,D,0	Sequence	0	Number
1	1,D,0	MISSED DOSE field (#9) zero node.	^^8^8^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,D	Node for word processing field	D	Text
5	1,D,1	MISSED DOSE field (#9) sequence number	1	Number
6	1,D,1,0	Sequence	0	Number
1	1,D,1 – 8	MISSED DOSE field (#9) sequence 1-8.	Example, sequence 1 is: MISSED DOSE: If you miss a dose, take it as soon as you	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	IEN for PMI-ENGLISH file (#50.621)	1	Number
4	1,R	Node for word processing field	R	Text
5	1,R,0	Sequence	0	Number
1	1,R,0	STORAGE field (#12) zero node.	^^11^11^3160223	Word Processing
1		SEGMENT	PMIDATA	Text
2		File	50.621	Number
3	1	Field	1	Number
4	1,R	Node for word processing field	R	Text
5	1,R,1	STORAGE field (#12) sequence number	1	Number
6	1,R,1,0	Sequence	0	Number

1	1,R,1-11	STORAGE field (#12) sequence 1-11.	Example, sequence 1 is: STORAGE: Store the US product at room temperature between 59-77	Word Processing

DATA

Information in this section provides the GCNSEQNO information.

Example record from the .DAT file

```
DATA^196
2834^000266^000266^051079090620|2835^062407^062407^049708041988|2836^003693^003693^000
054485851|2837^003694^003694^000009001755|2842^005020^005020^066992039910|2843^005021^
005021^000009002401|
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	Field Separator	DATA	String
2	Sequence Number	195	Number
1	Internal Entry Number (IEN) for VA Product file (#50.68)	2834	Pointer
2	GCNSEQNO field (#12) of VA Product file (#50.68)	000266	Number
3	PREVIOUS GCNSEQNO field (#12) of VA Product file (#50.68)	000266	Number
4	NDC LINK TO GCNSEQNO field (#13)	051079090620	Free Text

DATANT

This section contains new entries at the file level for .01 fields. The file can be any NDF file, but the structure is the same.

Example record from the .DAT file

```
DATANT^50.416^1
10014^3141218.24535^.01^360^A
DATANT^50.416^2
ABSORPTION EIGHT
DATANT^50.416^1
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	DATANT	String
2	FILE NUMBER	50.416	Number
3	SEQUENCE NUMBER	1	Number
1	IEN for the file	10014	Pointer
2	DATE/TIME	3141218.24535	Date
3	FIELD NUMBER	.01	

4	PPS-N User ID	360	Number
5	A = Addition to the file	A	Free Text
1	SEGMENT NAME	DATANT	Free Text
2	FILE NUMBER	50.416	Number
3	SEQUENCE NUMBER	2	Number
1	DATA VALUE	ABSORPTION EIGHT	Free Text

DATAN

This section contains the new entries for multiple type fields. The file can be any NDF file, but the structure is the same.

Example record from the .DAT file

```
DATAN^50.68^1
5217,129^3150427.29014^14,.01^360^A
DATAN^50.68^2
129
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	DATAN	Text
2	IEN for VA GENERIC file (#50.6)	50.68	Pointer
3	Sequence Number	1	Number
1	IEN to the file, IEN to the multiple fields.	5217,129	Pointer
2	Date.Time	3150427.29014	Date
3	Multiple field number, field number within the multiple. In this example, it's ACTIVE INGREDIENTS multiple field (#14) and ACTIVE INGREDIENTS field (#.01).	14,.01	Number
4	PPS-N user ID	360	Number
5	A = Addition to the file	A	Text
1	Segment Name	DATAN	Text
2	File	50.68	Number
3	Sequence	2	Number
1	Data Value. In this case, it's the	129	Free Text

DATAO

This section contains the edits to any NDF file for single and multiple fields. The file can be any NDF file, but the structure is the same.

Example record from the .DAT file

```
DATAO^50.416^1
```

```
10013,1^3141218.24481^99.991,.02^360
DATAO^50.416^2
1
DATAO^50.68^1
22780^3141218.24481^101^360
DATAO^50.68^2
1
DATAO^50.67^1
222551^3160219.32985^1^360
DATAO^50.67^2
068094010961
DATAO^50.67^1
222551^3160219.32985^10^360
DATAO^50.67^2
O
DATAO^50.67^1
222551^3160219.32985^3^360
DATAO^50.67^2
3500
DATAO^50.67^1
222551^3160219.32985^4^360
DATAO^50.67^2
FISH OIL
DATAO^50.67^1
222551^3160219.32985^5^360
DATAO^50.67^2
26193
DATAN^50.67^1
222551,1^3160219.32985^6,.01^360^A
DATAN^50.67^2
N/A
DATAO^50.67^1
222551^3160219.32985^8^360
DATAO^50.67^2
953
DATAO^50.67^1
222551^3160219.32985^9^360
DATAO^50.67^2
974
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	DATAO	Free Text
2	File - In this case, it's DRUG INGREDIENTS file (#50.416)	50.416	Number
3	Sequence Number	1	Number
1	IEN to the file, IEN to the multiple fields.	10013,1	Pointer
2	Date	3141218.24481	Date
3	Multiple field number, field number within the multiple. In this example, it's EFFECTIVE DATE/TIME multiple field (#99.991) and STATUS field (#.02).	99.991,.02	Number

4	PPS-N user ID	360	Number
1	Value for the field. In this case, its 1 for ACTIVE for STATUS field (#.02) of the EFFECTIVE DATE/TIME multiple (#99.991).	1	Number
1	SEGMENT NAME	DATAO	Free Text
2	FILE - In this case, it's VA PRODUCT file (#50.68)	50.68	Number
3	Sequence Number	1	Number
1	IEN to the file	22780	Pointer
2	Date	3141218.24481	Date
3	Field IEN for the file. In this case, it's the HAZARDOUS TO HANDLE field (#101) for VA PRODUCT file (#50.68)	101	Pointer
4	PPS-N user ID	360	Number
1	Value. In this case, it's 1 for YES	1	Number
1	SEGMENT NAME	DATAO	Free Text
2	File. In this case, NDC/UPN file (#50.67)	50.67	Number
3	Sequence Number	1	Number
1	IEN for the file	222551	Pointer
2	Date	3160219.32985	Date
3	Field Number	1	Number
4	PPS-N user ID	360	Number
1	SEGMENT NAME	DATAO	Free Text
2	File. In this case, NDC/UPN file (#50.67)	50.67	Number
3	Sequence Number	1	Free Text
1	IEN for the file	222551	Pointer
2	Date	3160219.32985	Date
3	Field number for the file	10	Number
4	PPS-N user ID	360	Number
1	SEGMENT NAME	DATAO	Free Text
2	File	50.67	Number
3	Sequence Number	2	Number
1	NDC	068094010961	Number

PRODUCT
This section contains all of the products defined.

Example record from the .DAT file
```
PRODUCT^2830
```

```
PRODUCT^2831
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	PRODUCT	Text
2	IEN for VA PRODUCT file (#50.68)	2830	Pointer
1	SEGMENT NAME	PRODUCT	Text
2	IEN for VA PRODUCT file (#50.68)	2831	Pointer

GENERIC

This section contains the VA Generic entries that were modified.

Example record from the .DAT file
```
GENERIC^10003
```

GENERIC^10004

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	GENERIC	Text
2	IEN for VA GENERIC file (#50.6)	10003	Pointer
1	SEGMENT NAME	GENERIC	Text
2	IEN for VA GENERIC file (#50.6)	10004	Pointer

POE

This section contains the copay related reference.

Example record from the .DAT file

POE^12994

POE^13576

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	POE	Text
2	IEN for VA PRODUCT file (#50.68)	12995	Pointer
1	SEGMENT NAME	POE	Text
2	IEN for VA PRODUCT file (#50.68)	13576	Pointer

CMOP -
Example record from the .DAT file
```
CMOP^10025
```

```
CMOP^23841
```

Data Values

Piece	Description/Field Name	Data	Data Type

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	CMOP	Text
2	IEN for VA PRODUCT file (#50.68)	10025	Pointer

NFI
This section contains the National Formulary reference.

Example record from the .DAT file
```
NFI^1668

NFI^4657
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	NFI	Text
2	IEN for VA PRODUCT file (#50.68)	1668	Pointer
1	SEGMENT NAME	NFI	Text
2	IEN for VA PRODUCT file (#50.68)	1668	Pointer

CLASS
This section contains the VA Drug class references.

Example record from the .DAT file
```
CLASS^25303^0
25303^319^4977
CLASS^25304^0
25304^319^4977
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	CLASS	Text
2	IEN for VA PRODUCT file (#50.68)	13018	Pointer
3	Sequence	0	Number
1	IEN for VA PRODUCT file (#50.68)	13018	Pointer
2	IEN for VA DRUG CLASS file (#50.605)	319	Pointer
3	IEN for VA GENERIC file (#50.6)	4977	Pointer
1	SEGMENT NAME	CLASS	Text
2	IEN for VA PRODUCT file (#50.68)	25304	Pointer
3	Sequence	0	Number
1	IEN for VA PRODUCT file (#50.68)	25304	Pointer
2	IEN for VA DRUG CLASS file (#50.605)	319	Pointer
3	IEN for VA GENERIC file (#50.6)	4977	Pointer

REM
This section contains products that require re-matching.

Example record from the .DAT file

```
REM^1784
1785
REM^5153
5154
```

Data Values

Piece	Description/Field Name	Data	Data Type
1	SEGMENT NAME	REM	Text
2	IEN for VA PRODUCT file (#50.68)	1784	Pointer
1	SEGMENT NAME	REM	Text
2	IEN for VA PRODUCT file (#50.68)	5154	Pointer

MESSAGE
This section contains the information for the DATA UPDATE FOR NDF report email.

Example record from the .DAT file

```
MESSAGE^0^0
^^157^157^3150429
MESSAGE^1^0

MESSAGE^2^0
The following VA Products have been added to the National
MESSAGE^3^0
Drug File.You may wish to review, then match or unmatch
MESSAGE^4^0
local drug file entries based on this updated information.
MESSAGE^5^0

MESSAGE^6^0
    ALCLOMETASONE 0.02% CREAM,TOP     [A1745]
MESSAGE^7^0
    (DISPENSE UNIT - 0.2ML EACH)
MESSAGE^8^0
    ALCLOMETASONE 0.05% CREAM,TOP     [A1746]
MESSAGE^9^0
    (DISPENSE UNIT - GM)
MESSAGE^10^0
    ALCLOMETASONE 0.06% CREAM,TOP     [A1748]
MESSAGE^11^0
    (DISPENSE UNIT - GM)
MESSAGE^12^0
    ALCLOMETASONE 0.08% CREAM,TOP     [A1747]
MESSAGE^13^0
    (DISPENSE UNIT - GM)
MESSAGE^14^0
    ALFALFA 500MG TAB     [A1403]
MESSAGE^15^0
    (DISPENSE UNIT - TAB)
MESSAGE^16^0
    12534-0369-03    12634-0369-03    77273-0700-25    77273-0700-50
MESSAGE^17^0
    00761-0183-20
MESSAGE^18^0
    AMYLASE 60MG/PAPAIN 60MG TAB,CHEW     [null]
MESSAGE^19^0
    (DISPENSE UNIT - null)
MESSAGE^20^0
```

```
        ASPIRIN 150MG TAB      [A1749]
MESSAGE^21^0
        (DISPENSE UNIT - CAP/TAB)
MESSAGE^22^0
        ASPIRIN 200MG TAB      [A1750]
MESSAGE^23^0
        (DISPENSE UNIT - CAP/TAB)
MESSAGE^24^0
        ASPIRIN 250MG TAB      [A1751]
MESSAGE^25^0
        (DISPENSE UNIT - CAP/TAB)
MESSAGE^26^0
        BI SUBCARBONATE 260MG/KAOLIN 5.2GM/PECTIN 260MG/30ML SUSP      [B0171]
MESSAGE^27^0
        (DISPENSE UNIT - ML)
MESSAGE^28^0
        IV INFUSION SET (WINTHROP)      [null]
MESSAGE^29^0
        (DISPENSE UNIT - null)
MESSAGE^30^0
        00074-9245-68      00074-6646-01      00074-6516-01      00074-6480-02
MESSAGE^31^0
        00074-1169-01      08290-3872-26      00074-9247-68      00074-9246-68
MESSAGE^32^0
        00074-6517-03      00074-6517-01      00074-6516-03      00074-6462-01
MESSAGE^33^0
        00074-6440-12      00074-3559-03      00074-1877-68      00074-1753-02
MESSAGE^34^0
        00074-1642-48      08024-3900-01      00074-9252-68
MESSAGE^35^0
        MENTHOL 1.25%/ME NICOTINATE 0.7%/ME SALICYLATE 30% OINT,TOP      [null]
MESSAGE^36^0
        (DISPENSE UNIT - null)
MESSAGE^37^0
        MENTHOL 3%/ME NICOTINATE 0.5%/ME SALICYLATE 30% GEL,TOP      [A0515]
MESSAGE^38^0
        (DISPENSE UNIT - GM)
MESSAGE^39^0
        41100-0078-72      41100-0080-29      41100-0079-48      41100-0081-36
MESSAGE^40^0
        41100-0079-63      41100-0080-52
MESSAGE^41^0
        TRICLOSAN 0.1%/ZINC OXIDE 10.8% PWDR,TOP      [T0205]
MESSAGE^42^0
        (DISPENSE UNIT - GM)
MESSAGE^43^0
        41100-0087-25
MESSAGE^44^0
        UNIBASE OINT      [null]
MESSAGE^45^0
        (DISPENSE UNIT - null)
MESSAGE^46^0
        00047-3122-23
MESSAGE^47^0
        VISHNU WARFARIN 150MG TAB      [V0251]
MESSAGE^48^0
        (DISPENSE UNIT - TAB)
MESSAGE^49^0

MESSAGE^50^0
The following active VA Products are no longer marked for CMOP.
MESSAGE^51^0
All local drug file entries matched to these VA Products will
```

```
MESSAGE^52^0
be UNMARKED for CMOP. In order to have these entries dispensed
MESSAGE^53^0
by CMOP any local DRUG file (#50) entries matched to these
MESSAGE^54^0
products must be re-matched to another VA product that is actively
MESSAGE^55^0
marked for CMOP dispensing.
MESSAGE^56^0

MESSAGE^57^0
    AMYLASE 60MG/PAPAIN 60MG TAB,CHEW      [null]
MESSAGE^58^0
    ASPIRIN 250MG TAB      [A1751]
MESSAGE^59^0
    ASPIRIN 500MG/CAFFEINE 32MG TAB      [A1707]
MESSAGE^60^0

MESSAGE^61^0
The following products will be inactivated on the date listed. No alternative
MESSAGE^62^0
products have been found.
MESSAGE^63^0

MESSAGE^64^0
    DRESSING,PROMOGRAN MATRIX 19.1IN X 19.1IN JJ#PG019      [XU657]
MESSAGE^65^0
    02/15/2014
MESSAGE^66^0
    DRESSING,PROMOGRAN PRISMA MATRIX 4.34SQ IN JJ#MA028      [XT106]
MESSAGE^67^0
    02/15/2014
MESSAGE^68^0
    EPOPROSTENOL NA 1.5MG/VIL INJ      [E0217]
MESSAGE^69^0
    02/10/2014
MESSAGE^70^0
    DRESSING,PROMOGRAN PRISMA MATRIX 19.1SQ IN JJ#MA123      [XT105]
MESSAGE^71^0
    02/15/2014
MESSAGE^72^0
    EPOPROSTENOL NA 0.5MG/VIL INJ      [E0216]
MESSAGE^73^0
    02/10/2014
MESSAGE^74^0
    DRESSING,PROMOGRAN MATRIX 4.34IN X 4.34IN JJ#PG004      [XU658]
MESSAGE^75^0
    02/15/2014
MESSAGE^76^0

MESSAGE^77^0
The following product(s) have been inactivated. No alternative products have
MESSAGE^78^0
been found.
MESSAGE^79^0

MESSAGE^80^0
    AMYLASE 60MG/PAPAIN 60MG TAB,CHEW      [null]
MESSAGE^81^0
    ASPIRIN 150MG TAB      [A1749]
MESSAGE^82^0
    ASPIRIN 200MG TAB      [A1750]
MESSAGE^83^0
```

```
        ASPIRIN 250MG TAB      [A1751]
MESSAGE^84^0
    IV INFUSION SET (WINTHROP)      [null]
MESSAGE^85^0
    NIACIN 1000MG/SIMVASTATIN 40MG TAB,SA      [N0627]
MESSAGE^86^0
    UNIBASE OINT      [null]
MESSAGE^87^0

MESSAGE^88^0
The National Formulary Indicator has changed for the following
MESSAGE^89^0
VA Products. The National Formulary Indicator will automatically
MESSAGE^90^0
be changed in your local DRUG file (#50). Please review the
MESSAGE^91^0
VISN and Local Formulary designations of these products and
MESSAGE^92^0
make appropriate changes.
MESSAGE^93^0

MESSAGE^94^0
  FORMULARY ITEMS
MESSAGE^95^0
    NONE
MESSAGE^96^0

MESSAGE^97^0
  NON-FORMULARY ITEMS
MESSAGE^98^0
    NONE
MESSAGE^99^0

MESSAGE^100^0
The following VA Generic Name(s) have been edited or added. Any product
MESSAGE^101^0
matched to these products will be unmatched. If site wants to continue to use
MESSAGE^102^0
the product the site must rematch to local file #50 entries to the listed VA
MESSAGE^103^0
product.
MESSAGE^104^0

MESSAGE^105^0
    BANDAGE TUBULAR ELASTIC NET SZ 0.5 X25YD      [XS807]
MESSAGE^106^0
      Old Value: BANDAGE
MESSAGE^107^0
      New Value: BANDAGE,STRETCH
MESSAGE^108^0
    BANDAGE TUBULAR ELASTIC NET SZ 10 X 25YD      [XS854]
MESSAGE^109^0
      Old Value: BANDAGE
MESSAGE^110^0
      New Value: BANDAGE TUBULAR
MESSAGE^111^0

MESSAGE^112^0
The following VA Print Name(s) have been edited or added. Any product matched
MESSAGE^113^0
to these products will be unmatched. If site wants to continue to use the
MESSAGE^114^0
product the site must rematch to local file #50 entries to the listed VA product.
```

```
MESSAGE^115^0

MESSAGE^116^0
    AMINOCAPROIC ACID 500MG TAB     [A1744]
MESSAGE^117^0
      Old Value: AMINOCAPROIC ACID 500MG TAB
MESSAGE^118^0
      New Value: AMINOCAPROIC ACID 500MG TAB-TEST3
MESSAGE^119^0
    ASPIRIN 325MG TAB,EC,UD     [A1752]
MESSAGE^120^0
      Old Value: ASPIRIN 325MG EC TAB UD
MESSAGE^121^0
      New Value: ASPIRIN 325MG EC TAB UD1
MESSAGE^122^0

MESSAGE^123^0
The following VA Product Identifier(s) have been edited or added. Any product
MESSAGE^124^0
matched to these products will be unmatched. If site wants to continue to use
MESSAGE^125^0
the product the site must rematch to local file #50 entries to the listed VA
MESSAGE^126^0
product.
MESSAGE^127^0

MESSAGE^128^0
    AMINOCAPROIC ACID 500MG TAB     [A1744]
MESSAGE^129^0
      Old Value: A0196
MESSAGE^130^0
      New Value: A1744
MESSAGE^131^0
    ASPIRIN 325MG TAB,EC,UD     [A1752]
MESSAGE^132^0
      Old Value: A0982
MESSAGE^133^0
      New Value: A1752
MESSAGE^134^0

MESSAGE^135^0
The override dose form checks field has changed for the following products.
MESSAGE^136^0

MESSAGE^137^0
    ASPIRIN 325MG/CARISOPRODOL 200MG TAB     [A0415]
MESSAGE^138^0
      changed from NO to YES
MESSAGE^139^0

MESSAGE^140^0
The following VA Drug Class(es) have been edited or added. The VA Class
MESSAGE^141^0
for this product will be automatically updated in file #50.
MESSAGE^142^0

MESSAGE^143^0
    ABACAVIR SO4 300MG TAB,UD     [A1010]
MESSAGE^144^0
      Old Value: AD200
MESSAGE^145^0
      New Value: AM111
MESSAGE^146^0
```

```
     ASPIRIN 325MG TAB,UD      [A1740]
MESSAGE^147^0
      Old Value: CN103
MESSAGE^148^0
     New Value: CN104
MESSAGE^149^0

MESSAGE^150^0
The following product(s) have been unmatched. No alternative products
MESSAGE^151^0
have been found.
MESSAGE^152^0

MESSAGE^153^0
    AMINOCAPROIC ACID 500MG TAB     [A1744]
MESSAGE^154^0
    ASPIRIN 325MG TAB,EC,UD     [A1752]
MESSAGE^155^0
    BANDAGE TUBULAR ELASTIC NET SZ 0.5 X25YD     [XS807]
MESSAGE^156^0
    BANDAGE TUBULAR ELASTIC NET SZ 10 X 25YD     [XS854]
MESSAGE^157^0
```

Data Values

Piece	Node	Description/Field Name	Data	Data Type
1		SEGMENT	MESSAGE	Text
2	1,2	Zero node for UPDATE CONTROL file (#5000)	0	Number
3	1,2,0	Sequence	0	Number
1	1,2,0	Data value for the zero node	^^157^157^3150429	Word Processing
1		SEGMENT	MESSAGE	Text
2	1,2	MESSAGE field (#2) node for word processing field	1	Number
3	1,2,1	Sequence	0	Number
1	1,2,1,0	Data value	Null	Text
1		SEGMENT	MESSAGE	Text
2	1,2	MESSAGE field (#2) node for word processing field	2	Number
3	1,2,2,0	Sequence	0	Number
1	1,2,2,0 – 1,2,157,0	MESSAGE field (#2) Data Value	The following VA Products have been added to the National	Word Processing

MESSAGE2

This section contains the information for the UPDATED INTERACTIONS AND FDA MED GUIDE report email.

Example record from the .DAT file
```
MESSAGE2^0^0
^^24^24^3150429
MESSAGE2^1^0
```

```
MESSAGE2^2^0
The following interactions in National Drug File (NDF) have been added,
MESSAGE2^3^0
edited or inactivated. These changes are the result of review and
MESSAGE2^4^0
recommendations from the NDF support group.
MESSAGE2^5^0

MESSAGE2^6^0
  ADDED INTERACTION
MESSAGE2^7^0

MESSAGE2^8^0
    NONE
MESSAGE2^9^0

MESSAGE2^10^0
  EDITED INTERACTIONS
MESSAGE2^11^0

MESSAGE2^12^0
    CARBAMAZEPINE/TASIMELTEON                CRITICAL
MESSAGE2^13^0
    CIPROFLOXACIN/TASIMELTEON                SIGNIFICANT
MESSAGE2^14^0

MESSAGE2^15^0
  INACTIVATED INTERACTIONS
MESSAGE2^16^0

MESSAGE2^17^0
    NONE
MESSAGE2^18^0

MESSAGE2^19^0
The following products have been flagged for exclusion from drug-drug
MESSAGE2^20^0
interaction checks.
MESSAGE2^21^0

MESSAGE2^22^0
    ACETAMINOPHEN 325MG TAB     [A0022]
MESSAGE2^23^0
    ASPIRIN 325MG TAB,EC,UD     [A1752]
MESSAGE2^24^0
```

Data Values

Piece	Node	Description/Field Name	Data	Data Type
1		SEGMENT	MESSAGE2	Text
2	1,3	Zero node for UPDATE CONTROL file (#5000)	0	Number
3	1,3,0	Sequence	0	Number
1	1,3,0	Data value for the zero node	^^24^24^3150429	Word Processing
1		SEGMENT	MESSAGE2	Text

Piece	Node	Description/Field Name	Data	Data Type
2	1,3	SECOND MESSAGE field (#6) node for word processing field	1	Number
3	1,3,1	Sequence	0	Number
1	1,3,1,0	Data value	Null	Text
1		SEGMENT	MESSAGE2	Text
2	1,3	SECOND MESSAGE field (#6) node for word processing field	2	Number
3	1,3,2,0	Sequence	0	Number
1	1,3,2,0 – 1,3,24,0	SECOND MESSAGE field (#6) Data Value	The following interactions in National Drug File (NDF) have been added,	Word Processing

TEXT

This section contains the information for the header portion of the DRUGS UNMATCHED FROM NDF report email. The first sentence is generated by Vista and the following message text is the remainder of the header. This data is not stored in a file.

Example record from the .DAT file

```
TEXT^1
unmatched from the National Drug File (NDF).  The VA Product
TEXT^2
name and CMOP ID corresponding to the unmatched local drug file
TEXT^3
names are listed on the indented line beneath each entry.  An
TEXT^4
Inactivation Date may be listed for entries when this reason
TEXT^5
applies.  Until you rematch these entries to NDF, they will not
TEXT^6
transmit to CMOP and drug-drug interaction checks will not check
TEXT^7
for these products.  It is critical that you rematch these
TEXT^8
products immediately.  You may also need to match a new
TEXT^9
orderable item.  Any possible dosages and local possible
TEXT^10
dosages for these unmatched products have been deleted.
TEXT^11
Therefore, the dosages for each unmatched product should
TEXT^12
be reviewed after the rematch or recreated if the product
TEXT^13
cannot be rematched to a VA Product through the NDF
TEXT^14
```

Data Values

Piece	Node	Description/Field Name	Data	Data Type
1		SEGMENT	TEXT	Text

Piece	Node	Description/Field Name	Data	Data Type
2		Sequence 1-14	1 -14	Number
1		Header line value	unmatched from the National Drug File (NDF). The VA Product	Text

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Glossary

Automatic Match by NDC Matching   Pairing of a drug from the local DRUG file (#50) with a drug in the National Drug File with the same NDC number. This matching will be accomplished when the option *Automatic Match of Unmatched Drugs* is executed for the first time.

Active Drug   Drugs which contain no inactivation date in the INACTIVE DATE field (#100) local DRUG file (#50).

API   Application Programmer Interface.

DEA, SPECIAL HDLG Field   Field #3. A field in the local DRUG file (#50). It contains one or more codes representing special characteristics of a product.

DRUG File   See Local DRUG file.

DRUG INGREDIENTS File   File #50.416. A file that contains individual generic drugs which are components of various drug products.

Error   In the National Drug File (NDF) software, an error is an entry in the NATIONAL DRUG TRANSLATION file (#50.12) that does not have a match in the local DRUG file (#50).

FDA Medication Guide   Paper handouts that come with many prescription medicines given to the patient. The guides address issues that are specific to particular drugs and drug classes, and contain FDA-approved information that can help patients avoid serious adverse events.

FSN   Federal Stock Number. A unique identifying number assigned by the Federal Supply System to a product (drug, supply, food item, etc.) for ordering and accounting purposes. Synonymous with the National Stock Number (NSN). This is one of the fields in the local DRUG file (#50).

Local DRUG File (#50)   This file contains the local GENERIC NAME (#.01), INACTIVE DATE (#100), DEA,

SPECIAL HDLG (#3), and NDC fields, as well as others. NDF software attempts to match products from this file with products in the VA GENERIC file (#50.6) and the VA PRODUCT file (#50.58).

Manually Classed Drug

A drug from the local DRUG file (#50) which could not be matched, but has been assigned a VA Drug Classification through the use of the *Allow Unmatched Drugs to Be Classed* menu option.

Manufacturer Code

The first portion of the NDC Number (the first 4-6 digits). Identifies the manufacturer of the product.

NATIONAL DRUG File (#50.6)

This file contains a list of available drug products. It includes specific information for each product, including trade name, NDC number, manufacturer, VA Drug Class code, dosage form, route of administration, strength, units, ingredients, ingredient strength and units, package code, package size, package type, VA Product Name, and VA generic name. NDF software attempts to match products from this file with products in the local DRUG file (#50).

National Drug Identifier

A unique, HL7 compatible code assigned to all products marked for CMOP transmission. This code is utilized to transmit VA Print name and dispense unit from VistA to the vendor system.

NATIONAL DRUG File (#50.6)	This file contains a list of available drug products. It includes specific information for each product, including trade name, NDC number, manufacturer, VA Drug Class code, dosage form, route of administration, strength, units, ingredients, ingredient strength and units, package code, package size, package type, VA product name, and VA generic name. NDF software attempts to match products from this file with products in the local DRUG file (#50).
NATIONAL DRUG TRANSLATION File (#50.612)	A temporary file that is created by the NDF software. This file will contain information on drugs that have been matched, or for which a match was attempted.
NDC (NDC Number)	National Drug Code. A unique number assigned to a drug by the manufacturer for identification purposes. The NDC is in one of three formats: 4-4-2, 5-3-2, or 5-4-1. The first part is the manufacturer's code, the second part is the product number, and the last is the code for the package size and type. This is one of the fields in the local DRUG file (#50).
NDF	National Drug File. Refers to the National Drug File software.
Package Code	The last portion of the NDC number (the last two digits). This identifies the package type and size in which the product is supplied.
Package Size	The actual (physical) amount of a drug in the individual package (i.e., 5000 capsules per bottle).

Package Type   The physical container in which a drug is
                                    supplied (i.e., bottle, vial).

PPS-N   The Pharmacy Product System-National (PPS-
                                    N) is a Web-based application that provides the
                                    ability to manage pharmacy-specific data across
                                    the VA enterprise, ensuring that all facilities are
                                    using the same base data for their operations. It
                                    allows approved national VA personnel to
                                    easily, quickly, and safely manage the VA
                                    National Formulary which directs which
                                    products (such as medications and supplies) are
                                    to be purchased and used by the VA hospital
                                    system.

Product Code   The second portion of the NDC number (the
                                    second four digits) that identifies the specific
                                    drug.

PSNMGR   The name of the primary menu option and of the
                                    key that must be assigned to the pharmacy
                                    coordinator and supervisors using the National
                                    Drug File software.

Supply Item   A non-drug item entered into the GENERIC
                                    NAME field (# .01) of the local DRUG file
                                    (#50) that may be a prosthetic or expendable
                                    item such as ostomy supply, alcohol pads,
                                    syringes, bed pans, etc. identified by the code
                                    "S" in the DEA/SPECIAL HDLG field (#3) of
                                    the local DRUG file (#50).

Trade Name   This is the brand name. The name given to a
                                    generic product to distinguish it as one produced
                                    and sold by a specific manufacturer.

UPC   Universal Product Code. A unique number
                                    assigned to a product by a manufacturer
                                    commonly used for supply items. These may be
                                    found in the NDC/UPN file (#50.67).

VA Dispense Unit   The standardized unit assigned to a product
                                    when the product is marked for CMOP
                                    transmission.

VA DRUG CLASS File (#50.605)   This file contains the VA Drug Classification codes and their descriptions. Each product has one of these codes assigned to it and stored with it.

VA Generic Name	A name given to an item (drug, supply, etc. in the VA GENERIC file (#50.6)). It is this name which is matched with the entry in the GENERIC NAME (local generic name) field (#.01) of the local DRUG file (#50). This name does not contain strength, unit, or dosage form.
VA Print Name	The forty character name assigned as the name which prints on all prescription labels for products marked for CMOP transmission.
VA Product Name	The unique name assigned to each drug product in the National Drug File. This name comes from the VA PRODUCT file (#50.68) and includes strength, unit, and dosage form.
VHA	Veterans Healthcare Administration
VistA	Veterans Health Information Systems and Technology Architecture.
VUID	VHA Unique Identifier. A unique integer assigned to reference terms VHA wide.

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