Patient Assessment Documentation Package (PADP)

C3-C1 Conversion Project

Package Status Update, January 2014:

This package's status has been changed to Class 3 Software, and will no longer be supported nationally.

Installation Guide for NUPA Version 1.0



April 2012

Department of Veterans Affairs

Office of Information and Technology (OIT)

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Revision History

Date	Patch or Version	Description	Author
January 2014		This package's status has been changed to Class 3 Software, and will no longer be supported nationally.	Deneen Askew Cavett
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Introduction

Package Status Update, January 2014:

This package's status has been changed to Class 3 Software, and will no longer be supported nationally.

In the Package file (#9.4), this application is known as Patient Assessment Documentation (PADP). The package namespace is NUPA. File numbers are in the range of 1927.09 to 1927.6. Contents of this package can be found in the VistA Software Documentation Library (VDL) in the Clinical Section. http://www4.va.gov/vdl/

The PADP software application enables Registered Nurses (RNs) to document, in a standardized format, patient care during an inpatient stay. Although the content is standardized for use across the VA system, some parameters can be set to support the unique processes at individual medical centers.

PADP consists of a KIDS build, NUPA 1.0, and four (4) Delphi GUI templates in three executables.

- 1. The executable, **Admassess.exe**, contains the Admission RN Assessment template and the Admission Nursing Data Collection template.
 - Admission RN Assessment allows RNs to document the status of the patient at admission.
 - Admission Nursing Data Collection allows Licensed Practical Nurses (LPNs) and other
 nursing staff, including the RN, to enter basic patient data, such as vitals and belongings at the
 time of admission.
- 2. The executable, **Admassess_Shift.exe**, contains the RN Reassessment template. **RN Reassessment** allows RNs to document the condition of the patient on a regular basis and any time during the inpatient stay.
- 3. The executable, **Admassess_Careplan.exe**, contains the Interdisciplinary Plan of Care template. **Interdisciplinary Plan of Care** interfaces with admission and reassessment data, and allows additional information to be entered by the RN and other health care personnel (physicians, social workers, chaplain, etc.). All clinical staff can enter information into the Plan of Care. The Plan of Care can be printed and given to the patient when appropriate.

PADP also adds to VistA new health factors, fourteen (14) files, thirty-six (36) parameters, and five (5) printouts. The 5 printouts are:

- 1. The Daily Plan[®] is a health summary designed to be given to the patient and family Located in Interdisciplinary Plan of Care, view CP tab
- 2. Plan of Care is a plan designed to guide the nursing staff Located in Interdisciplinary Plan of Care, view CP tab
- 3. Discharge Plan is for discharge planners Located in Interdisciplinary Plan of Care, view CP tab
- 4. Belongings is a list of patient belongings
 Located in Admission RN Assessment/Admission Nursing Data Collection
- 5. Safe Patient Handling is designed to guide the transfer of a patient Located on the Function tab in Admission - RN Assessment, RN Reassessment, and Interdisciplinary Plan of Care, view CP tab

Pre-installation Instructions

Requirements for M Server Installation

Related Software: All referenced software and patches must be up-to-date. PADP requires that the following software is installed and fully-patched.

Package	Namespace	Minimum Version
Clinical Reminders	PXRM	2.0*5
CPRS	OR	GUI V. 27.90
	OR	3.0*243 (V. 27)
Kernel	XU	8.0
MailMan	XM	8.0
Text Integration Utilities	TIU	1.0
VA FileMan	DI	22.0
Vitals/Measurements	GMRV	5.0*22
Adverse Reaction Tracking	GMRA	4.0*42
Consult Request Tracking	GMRC	3.0*1
Remote Procedure Call	XWB	1.1*47
MHA DLL (Mental Health Assistant DLL)	YS*5.01*98	
Mental Health Assistant	All YS* patches	
Patient Care Encounter	PX	1

Note Titles

PADP is **hard-coded** to look for the **EXACT** TIU Progress Note Title and that title must be associated with the following VHA Enterprise Standard Title.

PADP Delphi Template: Admission – RN Assessment
TIU Progress Note Title: RN Admission Assessment

VHA Enterprise Standard Title: Nursing Admission Evaluation Note

PADP Delphi Template:Admission – Nursing Data CollectionTIU Progress Note Title:Nursing Admission Data CollectionVHA Enterprise Standard Title:Nursing Admission Evaluation Note

PADP Delphi Template: RN Reassessment TIU Progress Note Title: RN Reassessment

VHA Enterprise Standard Title: Nursing Inpatient E & M Note

PADP Delphi Template: Interdisciplinary Plan of Care
TIU Progress Note Title: Interdisciplinary Plan of Care

VHA Enterprise Standard Title: Interdisciplinary Treatment Plan Note

A Clinical Application Coordinator (CAC) or an Automated Data Processing Application Coordinator (ADPAC) creates the note titles in TIU: *Create Document Definitions under Progress Notes Document Class*.

Note: Do not add boilerplate text. However, if the note titles are already in the system, any associated boilerplate or template will not interfere with PADP process.

Example

Select Document Definitions (Manager) Option: create document definitions

reate D	ocument Definitions	Feb 08, 2012@14	4:21:07					Pa
	BASI	CS						
N	аше		Type	IFN	Natl	Status	Owner	In
	PROGRESS NOTES		CL	3	No	A	CLPAC	
	NURSING TITLES		DC		No		CLPAC	
	CP SCT TITLE			1509	No		CLPAC	
	DSG TEST TITLE			689	No		CLPAC	
	HBPC			44	No		CLPAC	
	HBPC ASSESSMENT				No		CLPAC	
	IC/LONG NURSING NOTE TITLE			116	No		CLPAC	
	IC/SBK W/OBJECTS LONG TITLE			601	No		CLPAC	
	IC/SBK2 W/OBJECTS LONG TITL	E TO TEST		602	No		CLPAC	
	SBK BREAST/MAMMO			662	No		CLPAC	
	SBK DISCHARGE INSTRUCTIONS			1474	No		CLPAC	
	SBK VANOD TEST			1673	No		CLPAC	
	SBK VEGAN NOTE			697	No		CLPAC	
	SBK VEGGIE NOTE		TL	696	No	A	CLPAC	
(01		rintScrn/List +/-			0.	And Ind. C		,,,,,
	ass/DocumentClass)	Next Level				tailed [ispiay/t	ait
Title Restart (Component) Boilerplate Text			Status Delete					
	mponent) ction: Next Screen// title - Tit	Boilerplate Text			Lie	Tere		
	he Name of a new NURSING TITLES:							

Create Document Definitions page

```
Select Action: Next Screen// title Title
Enter the Name of a new NURSING TITLES: RN ADMISSION ASSESSMENT
CLASS OWNER: CLINICAL COORDINATOR// CLINICAL COORDINATOR

EVERY Local Title must be mapped to a VHA Enterprise Standard Title.

Direct Mapping to Enterprise Standard Title...
Your LOCAL Title is: RN ADMISSION ASSESSMENT

Select VHA ENTERPRISE STANDARD TITLE: NURSING ADMISSION EVALUATION NOTE
I found a match of: NURSING ADMISSION EVALUATION NOTE ... OK? Yes// YES
```

Ready to map LOCAL Title: RN ADMISSION ASSESSMENT to

 $\hbox{\it VHA Enterprise Standard Title: NURSING ADMISSION EVALUATION NOTE. OK? Yes// YES}$

Done.

STATUS: (A/I/T): INACTIVE// a ACTIVE Entry Activated.

SEQUENCE:

MENU TEXT: Rn Admission Assessm Replace

Entry Created

Installation Procedures

Note: If PADP is installed and not implemented, only the Server Installation needs to be completed.

If the application is implemented, both the Server Installation and VistA Setup must be completed. This includes assigning menu and file access, as well as setting up the TIU Progress Note Titles, the Tools links, and the Parameters for all Required and Optional Consult Services the facility is using.

- The IRM installs the M component and three Graphical User Interface (GUI) components. All the required M files are contained in the KIDS distribution file NUPA_1_0.KID. The executable files and help files are bundled into a zip file, NUPA.ZIP.
- Installation should take less than 3 minutes, but installing at non-peak hours is recommended.

Anonymous Software and Documentation

PADP software and documentation files are available in the following names and formats:

Document File Description	File Names	FTP Mode
KIDS Build	NUPA_1_0.KID	ASCII
Executable and Help files	NUPA.ZIP	Binary
PADP Installation Guide	NUPA1_0IG.DOCX	
	NUPA1_0IG.PDF	
PADP Technical Manual	NUPA1_0TM. DOCX	
	NUPA1_0TM.PDF	
PADP Admission – RN Assessment	NUPA1_0_AUM. DOCX	
User Manual	NUPA1_0_AUM.PDF	
PADP RN Reassessment	NUPA1_0_RUM. DOCX	
User Manual	NUPA1_0_RUM.PDF	
PADP Admission – Nursing Data Collection	NUPA1_0_DCUM. DOCX	
User Manual	NUPA1_0_DCUM.PDF	
PADP Interdisciplinary Plan of Care	NUPA1_0_IUM. DOCX	
User Manual	NUPA1_0_IUM.PDF	

Retrieve these files via FTP from **download.vista.med.va.gov**, which transmits the files from the first available FTP server (preferred method). You can also retrieve the files directly from one of the following FTP sites:

OIFO	FTP Address	Directory
Albany	ftp.fo-albany.med.va.gov	[anonymous.software]
Hines	ftp.fo-hines.med.va.gov	[anonymous.software]
Salt Lake City	ftp.fo-slc.med.va.gov	[anonymous.software]

Server Installation/Kernel Installation and Distribution System (KIDS)

- 1. Download **NUPA_1_0.KID** (ASCII mode), and **NUPA.ZIP** (BINARY mode), from the FTP server listed on the previous page.
- 2. Move the files to the appropriate directory on your system.
- 3. Select the Load a Distribution option and enter **NUPA_1_0.KID** when prompted at the host file prompt. You may need to prefix a directory name.

Example

```
Select Installation Option: LOAD a Distribution
Enter a Host File: VA16$[SMAVISTA.IRMPERSON]NUPA_1_0.KID

KIDS Distribution saved on Jan 19, 2012@10:16:50
Comment: NUPA 1.0

This Distribution contains Transport Globals for the following Package(s):
    NUPA*1.0*0
Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

NUPA*1.0*0
Use INSTALL NAME: NUPA*1.0*0 to install this Distribution.
```

- 4. Select any or all of the following options (KIDS Installation Menu) as desired:
 - Print Transport Global
 - Compare Transport Global to Current System
 - Verify Checksums in Transport Global

5. From the Kernel Installation & Distribution System menu, select the **Backup a Transport Global** menu.

```
Select Installation Option: Backup a Transport Global
Select INSTALL NAME: NUPA*1.0*0 Loaded from Distribution 1/19/12@10:16:05
    => Completed/Released NUPA*1.0*0
It consists of the following Install(s):
        NUPA*1.0*0
Subject: Backup of NUPA*1.0*0 install on Jan 19, 2012
Replace
Loading Routines for NUPA*1.0*0...
Send Mail to:G.PATCHES BACKUP
And Send to:
.....message sent......
```

6. From the Kernel Installation & Distribution System menu, select the **Installation** menu.

```
Select Installation Option: Install Package(s)
Select INSTALL NAME: NUPA*1.0*0 1/13/12@12:45:21
     => NUPA 1.0 ;Created on Jan 19, 2012@10:16:50
This Distribution was loaded on 1/13/12@12:45:21 with header of
 NUPA 1.0 ;Created on Jan 19, 2012@10:16:50
 It consists of the following Install(s):
  NUPA*1.0
Checking Install for Package NUPA*1.0*0
Install Questions for NUPA*1.0*0
Incoming Files:
   1927.09 NUPA SAVED NOTES
  1927.2 NUPA ASSESSMENT PROBLEMS (including data)
  1927.23 NUPA PLAN DESCRIPTION TABS (including data)
  1927.24 NUPA ASSESSMENT INTERVENTIONS (including data)
  1927.3 NUPA ASSESSMENT DESCRIPTIONS (including data)
  1927.32 NUPA PCE INFO
  1927.4
            NUPA CARE PLANS
  1927.401 NUPA CARE PLAN PRESSURE ULCERS
  1927.4011 NUPA CARE PLAN SKIN ALT TYPES (including data)
  1927.402 NUPA CARE PLAN IVS
  1927.403 NUPA CARE PLAN GI/GU DEVICES
  1927.41 NUPA COMPONENT ITEMS (including data)
          NUPA CARE PLAN TEXT CHANGE LOG
  1927.5
  1927.6
          NUPA DISCHARGE PLANNING GOAL COMMENTS
Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//
Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//
Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
```

```
Enter a '^' to abort the install.
DEVICE: HOME// HOME (CRT)
                                NUPA*1.0*0
Installing OPTION
Installing PARAMETER DEFINITION
               Jan 11, 2012@12:46:40
Running Post-Install Routine: ^NUPAPI
Updating Routine file...
Updating KIDS files...
NUPA*1.0*0 Installed.
               Jan 11, 2012@12:46:40
   100%
                        25
                                                 75
Complete
Install Completed
```

7. Verify new Checksums.

Select Programmer Options Option: Calculate and Show Checksum Values This option determines the current Old (CHECK^XTSUMBLD) or New (CHECK1^XTSUMBLD) logic checksum of selected routine(s).

Select one of the following:

1 Old 2 New

New or Old Checksums: New//

New CheckSum CHECK1 X TSUMBLD:This option determines the current checksum of selected routine(s).

The Checksum of the routine is determined as follows:

- 1. Any comment line with a single semi-colon is presumed to be followed by comments and only the line tag will be included.
- 2. Line 2 will be excluded from the count.
- 3. The total value of the routine is determined (excluding exceptions noted above) by multiplying the ASCII value of each character by its position on the line and position of the line in the routine being checked.

Select one of the following:

P Package
B Build

Build from: Package

All Routines? No => No

Routine: NUPABCL

```
Routine: NUPABCL1
Routine: NUPABCL2
Routine: NUPAOBJ
Routine: NUPAOBJ1
Routine: NUPAPI
Routine: NUPAPI1
Routine: NUPAPI2
Routine:
8 routines
NUPABCL value = 28658049
NUPABCL1 value = 34269162
NUPABCL2 value = 92151696
NUPAOBJ value = 46106373
NUPAOBJ1 value = 73459792
NUPAPI value = 36387812
NUPAPI1 value = 181278121
NUPAPI2 value = 181599162
done
```

8. The IRM support staff unzips the **NUPA.ZIP** file and places the files in a designated folder on an application server, i.e., \\vhat\subset \text{vhaxxxmul##\VISTA_Software\CPRS\\NursingAssessment}.

The NUPA.ZIP file contains the following files:

- 1. Admassess.exe
- 2. Admassess_Shift.exe
- 3. Admassess_Careplan.exe
- 4. Admassess_CRC.txt
- 5. borlndmm.dll
- 6. Nupa1_0um help DC.chm
- 7. Nupa1_0um help R.chm
- 8. Nupa1_0um help IPofC.chm
- 9. Nupa1_0um help A.chm

Note: If the site chooses to only INSTALL Patient Assessment Documentation Package and not implement, you have completed the install process. The VistA set up of PADP is only required if you are planning to implement the new application.

Post-installation VistA Setup

IRM Support Staff

Assign Menu and Fileman Access

- 1. Assign menu and Fileman access.
 - a. For all staff who will enter data into the four templates:
 Assign the **NUPA ASSESSMENT GUI** as a secondary menu option.
 - b. For the person responsible for the NUPA parameters:

Assign **Fileman Codes: Nn** and give **Read, Write, Delete and Laygo** access for the NUPA ASSESSMENT HEALTH FACTORS/PCE INFO file (#1927.32).

The other NUPA files must not be edited locally.

Note: Assigning the Fileman menu is optional.

If the site is not setting up Nursing Reminders to be resolved in PADP, do not edit this file.

If your site is setting up Nursing Reminders, discuss this with the Clinical Reminders CAC at your site and refer to **Edit File NUPA PCE Info** in the *PADP Technical Manual* for setup examples.

Schedule NUPA Purge Saved Notes Option

- 2. Schedule the NUPA PURGE SAVED NOTES option.
 - a. Information from notes *saved for later*: Nursing Admission Data Collection, RN Admission Assessment and RN Reassessment, is in the NUPA SAVED NOTES file (#1927.09).
 - b. To purge the NUPA SAVED NOTES file (#1927.09) on a regular basis, the IRM staff must set up the purge option. This purges any saved (unsigned) information older than five days.
 - c. Queue the NUPA PURGE SAVED NOTES option to run via Taskman's Schedule/Unschedule Options (XUTM SCHEDULE) menu to run on a daily basis shortly after midnight.

```
Select OPTION to schedule or reschedule: NUPA PURGE SAVED NOTES

Notes Over 5 Days Old

...OK? Yes// (Yes)

Edit Option Schedule

Option Name: NUPA PURGE SAVED NOTES

Menu Text: Purge Saved Notes Over 5 Days Ol TASK ID: 2885947

QUEUED TO RUN AT WHAT TIME: DEC 4,2009@00:30

DEVICE FOR QUEUED JOB OUTPUT:

QUEUED TO RUN ON VOLUME SET:
```

```
RESCHEDULING FREQUENCY: 1D

TASK PARAMETERS:

SPECIAL QUEUEING:
```

CAC or ADPAC Staff

The IRM support staff provides to the CAC the exact server folder name in which the NUPA.zip file was placed. The CAC uses this server address to set up the executables on the Tools menu in CPRS.

Set up Executables on the Tools Menus

- 1. Set up the executables on the CPRS Tools menu.
 - Admassess.exe contains the templates: Admission RN Assessment and Admission Nursing Data Collection
 - Admassess_Shift.exe contains the template: RN Reassessment
 - Admassess_Careplan.exe contains the template: Interdisciplinary Plan of Care

Follow the steps in the example

a. Select the **CPRS Manager Menu** option: PE CPRS Configuration (Clin Coord). Select **GP**, GUI Parameters to set up the Tools link for **admassess.exe**.

Note: The Assessment is not CCOW compliant; including **%DFN** in the command line, forces the chart to open at the same patient to which CPRS is currently open.

- b. For Admission Nursing Data Collection, set up the item as in the example, but add the parameter **datacoll** to the end of the **Name:Command** line.
- c. Repeat step a for the Interdisciplinary Plan of Care (admassess_careplan.exe) and RN Reassessment (admassess_shift.exe).

Summary of display from the CPRS Manager Menu

```
Admission Assessment=

"\\vhaxxxmul##\VISTA_Software\CPRS\NursingAssessment\Admassess.exe" %SRV

%PORT %DFN

Nursing Data Collection=

"\\vhaxxxmul##\VISTA_Software\CPRS\NursingAssessment\Admassess.exe" %SRV

%PORT %DFN datacoll

RN Reassessment=

"\\vhaxxxmul##\VISTA_Software\CPRS\NursingAssessment\Admassess_shift.exe"

%SRV %PORT %DFN

Interdisciplinary Plan of Care=

"\\vhaxxxmul##\VISTA_Software\CPRS\NursingAssessment\admassess_Careplan.ex
e" %SRV %PORT %DFN
```

Parameters for Consults Ordered from the PADP Templates

The following parameters control consults that can be ordered from the PADP templates.

Parameters that control required consults

The following consult parameters control required consults.

NU	PA CHAPLAIN CONSULT	Chaplain Consult
NU	PA NUTRITION CONSULT	Nutrition consult name
NU	PA PRESSURE ULCER SITE	Pressure ulcer site
NU	PA SOCIAL WORK CONSULT	Social Work consult name
NU	PA SPEECH CONSULT	Speech consult name
NU	PA WOUND CARE CONSULT	Wound care consult

Parameters that control optional consults

The following parameters control optional consults.

1. If you will use the Associated Consult in your Patient Assessment Documentation system, set the SEND parameter value to YES.

```
NUPA SEND DIAB NURSE CONS

Send Diabetes Nurse Consult

NUPA SEND DISCH PLAN CONSULT Send Discharge Planning Consult

NUPA SEND HOME CARE CONSULT Send Home Care Consult

NUPA SEND NURSE REHAB CONSULT Send Nurse Rehab consult

NUPA SEND NURSE REST CONSULT Send Nurse Rest. consult

NUPA SEND RESPIRATORY CONSULT Send respiratory consult

NUPA SEND TELEHEALTH CONSULT Send Telehealth Consult

NUPA SEND WOMENS H CONSULT Send Women's Health consult
```

2. For the eight SEND parameters above with a value set to YES, now enter the name of the Associated Consult specialty in the NUPA Consult parameters below.

```
NUPA DIAB NURSE CONSULT

NUPA DISCH PLAN CONSULT

NUPA HOME CARE CONSULT

NUPA NURSE REHAB CONSULT

NUPA NURSE REST CONSULT

NUPA NURSE REST CONSULT

NUPA RESPIRATORY CONSULT

NUPA TELEHEALTH CONSULT

NUPA WOMENS HEALTH CONSULT

Women's Health Consult name

NUPA WOMENS HEALTH CONSULT

NURSE REST CONSULT

Respiratory consult name

NUPA WOMENS HEALTH CONSULT

Women's Health Consult name
```

Set up Consult Parameters

To set up the parameters, use the XPAR Menu Tools, Edit Parameter Values [XPAR EDIT PARAMETER].

- 1. Review the consults in your system.
- 2. Identify the consult specialties that you order via the notes: RN Admission Assessment and RN Reassessment.
- 3. Keep the following considerations in mind:
 - If you are a single division medical center, set the parameter at **System** or **Division** level. Associate the System or Division with the appropriate consult.
 - If there is only one consult for a Specialty for the entire system or division, set the parameter at the **System** or **Division** level. Associate the System or Division with the appropriate consult.
 - If there is one consult for a Specialty per Division, set the parameter at the **Division** level. Associate the Division with the appropriate consult.
 - If there is more than one consult per Specialty for a Division, like one social work consult for Med/Surg units and another one for Mental Health/Psych units, set the parameter at the **Location** (MAS bed section, ward) level. Associate each Location with the appropriate consult.

Example: Set One Consult Service per Specialty at the System Level

Set up NUPA CHAPLAIN CONSULT as:

```
Select Menu Option: IR CPRS Configuration (IRM)
Select CPRS Configuration (IRM) Option: XX General Parameter Tools
Select General Parameter Tools Option: EP Edit Parameter Values
                   --- Edit Parameter Values ---
Select PARAMETER DEFINITION NAME: NUPA CHAPLAIN CONSULT
NUPA CHAPLAIN CONSULT may be set for the following:
   1 Location LOC
                         [choose from HOSPITAL LOCATION]
  2 Division DIV
                         [choose from INSTITUTION]
  3 System
                SYS
                        [TEST.BRONX.MED.VA.GOV]
Enter selection: 3 System
Select SYSTEM NAME: TEST.BRONX.MED.VA.GOV
----- Setting NUPA CHAPLAIN CONSULT for System:
Consult name: CHAPLAIN
```

Attention: Site ISOs and Privacy Officers Update your existing site PIA

You must add the following information to the appropriate Minor Application tab of your existing site PIA.

- Tab 10 is for a minor application that gets security controls from VistA.
- Tab 11 is for a standalone minor application.

Name	Patient Assessment Documentation Package (PADP)
Description	The Patient Assessment Documentation Package (PADP) is a Veterans Health Information Systems and Technology Architecture (VistA) software application that enables Registered Nurses (RNs) to document, in a standardized format, patient care during an inpatient stay. NUPA namespace
Comments	
Is PII collected by this minor application?	Yes
Does this minor application store PII?	Yes
If yes, where?	VistA
Who has access to this data?	Local VA clinicians