

**National Clozapine Registry**  
**VistA Mental Health Package**  
**Deployment, Installation, Back-out,**  
**and Rollback Guide**

**YS\*5.01\*227**



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**Department of Veterans Affairs**  
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## Revision History

Date	Version	Description	Author
April 2024	1.0	Initial Document for NCR VistA system Patch YS*5.01.227, in support of NCR VistA Wishlist.	Liberty Team

## Artifact Rationale

This document describes the Deployment, Installation, Back-out, and Rollback Plan for new products going into the VA enterprise. The plan includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software and should be structured appropriately to reflect particulars of these procedures at a single or at multiple locations.

Per the *Veteran-focused Integrated Process (VIP) Guide*, the Deployment, Installation, Back-out, and Rollback Plan is required to be completed prior to Critical Decision Point #2, with the expectation it will be updated throughout the lifecycle of the project for each build, as needed.

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# 1 Introduction

This document describes how to deploy and install the National Clozapine Registry (NCR) VistA patch YS\*5.01\*277, as well as how to back-out the product and rollback to a previous version or data set.

## 1.1 Purpose

The purpose of this plan is to provide a document that describes how, when, where, and to whom the NCR YS\*5.01\*227 patch will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

## 1.2 Dependencies

This DIBRG assumes the YS\*5.01\*227 patch is being deployed in a fully patched VistA system.

## 1.3 Constraints

N/A

## 2 Roles and Responsibilities

**Table 1: Roles and Responsibilities**

<b>Team</b>	<b>Phase/Role</b>	<b>Tasks</b>
Project Manager	Pre-Deployment	Plan and schedule deployment (to include coordination with vendors)
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness
Project Manager, Release Manager, OIT/Software Product Management Support	Deployment	Execute deployment
Release Manager, NCR Team, VistA Sites	Installation	Plan, schedule, and implement installation
Release Manager, NCR Development Team	Back-out	Confirm availability of back-out instructions and back-out strategy (i.e., what criteria may prompt a requested back-out)
NCR Development Team	Post-Deployment	Software and System Support

### 3 Deployment

Patch YS\*5.01\*227 will be released as a Packman message to all sites.

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS\*5.01\*227 will be available for installation and deployment at all sites.

Scheduling of test installs, testing and production deployment will be at the site’s discretion. A 30-day compliance period is anticipated.

#### 3.1 Timeline

Refer to Table 2 for specifics.

**Table 2: Timeline Overview**

Task Name	Start	Finish
Installation into PROD	3/14/24	3/18/24
Release VistA Patch YS*5.01*227	4/16/24	4/16/24
Compliance Period	4/17/24	5/17/24

#### 3.2 Site Readiness Assessment

N/A

##### 3.2.1 Deployment Topology (Targeted Architecture)

N/A

##### 3.2.2 Site Information (Locations, Deployment Recipients)

The initial deployment will be to Initial Operating Capability (IOC) sites for verification of functionality. Once testing is complete and approval is given for national release, YS\*5.01\*227 will be deployed to all VistA systems.

The IOC test sites are:

- Hines VAMC, Hines, IL
- West Haven VAMC, West Haven, CT

##### 3.2.3 Site Preparation

YS\*5.01\*227 requires a fully patched VistA system.

### 3.3 Resources

Table 3 NCR Resources

File Name	Document Name	Location
YS_1.05_227_TM.pdf	National Clozapine Registry Technical Manual (YS*1.05*227)	<a href="#">VA Software Documentation Library (VDL)</a>
YS_1.05_227_PD.pdf	National Clozapine Registry Patch Description (YS*1.05*227)	NCR GitHub Repository
YS_1.05_227_VDD	National Clozapine Registry Version Description Document (YS*1.05*227)	NCR GitHub Repository

#### 3.3.1 Facility Specifics

N/A

#### 3.3.2 Hardware

N/A

#### 3.3.3 Software

N/A

### 3.4 Communications

The Configuration Management team will use email and conference calls for communication during the deployment. Email will be utilized to notify stakeholders of the successful product release.



## 4 Installation

### 4.1 Pre-installation and System Requirements

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

The software for this patch is being released in a PackMan message.

### 4.2 Platform Installation and Preparation

N/A

### 4.3 Deployment Download and Extract Files

Patch YS\*5.01\*227 will be released as a Packman message to all sites.

### 4.4 Database Creation

N/A

### 4.5 Installation Scripts

N/A

### 4.6 Cron Scripts

N/A

### 4.7 Access Requirements and Skills for Installation

This patch requires installers to have access to the KIDS options to load and install builds.

### 4.8 Installation Procedure

Installation Instructions:

1. Choose the PackMan message containing this build. Then select the INSTALL/CHECK MESSAGE PackMan option to load the build.
2. From the Kernel Installation and Distribution System Menu, select the Installation Menu.

From this menu:

1. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name. (ex. YS\*5.01\*227)

NOTE: Using <spacebar><enter> will not bring up a Multi-Package build even if it was loaded immediately before this step. It will only bring up the last patch in the build.

2. Select the Backup a Transport Global option to create a backup message. You must use this option and specify what to backup, the entire Build or just Routines. The backup

message can be used to restore the routines and components of the build to the pre-patch condition.

- a. At the Installation option menu, select Backup a Transport Global
- b. At the Select INSTALL NAME prompt, enter your build YS\*5.01\*227
- c. When prompted for the following, enter "B" for Build.

Select one of the following:

- B Build (including Routines)
- R Routines Only

Backup Type: B// B

- d. When prompted "Do you wish to secure your build? NO//", press <enter> and take the default response of "NO".
  - e. When prompted with, "Send mail to: Last name, First Name", press <enter> to take default recipient. Add any additional recipients.
  - f. When prompted with "Select basket to send to: IN//", press <enter> and take the default IN mailbox or select a different mailbox.
3. You may also elect to use the following options:
- a. Print Transport Global - This option will allow you to view the components of the KIDS build.
  - b. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all the components of this patch, such as routines, DDs, templates, etc.
4. Select the Install Package(s) option and choose the patch to install.
- a. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.
  - b. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.
  - c. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

## 4.9 Installation Verification Procedure

The Application Coordinator (AC) is responsible for coordinating the activities for the national release of the product or patch, representing VistA Support as a member of the project team for the product or patch release.

Verification and validation are performed to ensure that the processes executed meet the needs of the development effort and the execution of this process satisfies the certification requirements of the organization requesting the activity.

Successful installation can be verified by reviewing the first 2 lines of the routines contained in the patch. The second line will contain patch number 227 in the [PATCH LIST] section.

```
::5.01;MENTAL HEALTH;*[Patch List]**;Dec 30, 1994;Build 17
```

Table 4 lists the release deployment Point of Contact (POC) information for YS\*5.01\*227.

**Table 4 Release Deployment POC Information**

Release Identification	Release Package POC	Release Package POC Email
YS*5.01*227	VistA Support Application Coordinator(s) / Validators	Elizabeth.Griffith2@va.gov Alan.Montgomery@va.gov

## 4.10 System Configuration

N/A

## 4.11 Publishing the NCR Application to Production

N/A

## 4.12 Database Tuning

N/A

## **5 Back-out Procedure**

The back-out procedure returns the NCR software to the last known good operational state of the software and appropriate platform settings.

### **5.1 Back-out Strategy**

Back-out will be done only with the concurrence and participation of development team and appropriate VA site/region personnel. The decision to back-out or rollback software will be a joint decision between development team, VA site/region personnel and other appropriate VA personnel.

### **5.2 Back-out Considerations**

If the YS\*5.01\*227 patch is backed out, there should be minimal impact to users.

#### **5.2.1 Load Testing**

N/A

#### **5.2.2 User Acceptance Testing**

User Acceptance Testing (UAT) will occur according to scheduled dates. If a back-out is required, UAT will be performed in the environment to ensure proper functionality by the NCCC. The NCCC will be notified and consulted for testing if a back-out is required.

### **5.3 Back-out Criteria**

The NCR application version may be rolled back if it is decided that the project is canceled, the software is not functioning as expected, or the requested changes implemented by the NCR application are no longer desired.

### **5.4 Back-out Risks**

If the YS\*5.01\*227 patch is backed out, there should be minimal impact to users.

### **5.5 Authority for Back-out**

Concurrence from the VA Product Owner and VA Business Sponsor are required for back-out. The VA Product Owner and VA Business Sponsor will provide the authorization and rationale for back-out and can be contacted at [vhaclozapine@va.gov](mailto:vhaclozapine@va.gov).

### **5.6 Back-out Procedure**

Back-out will be done only with the concurrence and participation of development team and appropriate VA site/region personnel. The decision to back-out or rollback software will be a joint decision between development team, VA site/region personnel and other appropriate VA personnel.

Prior to installing an updated KIDS package, the site/region should have saved a backup of the routines in a mail message using the Backup a Transport Global [XPD BACKUP] menu option

(this is done at time of install). The message containing the backed-up routines can be loaded with the "Xtract PackMan" function at the Message Action prompt. The Packman function "INSTALL/CHECK MESSAGE" is then used to install the backed-up routines onto the VistA System.

## **5.7 Back-out Verification Procedure**

The Back-out procedure can be verified by printing the first 2 lines of the routines contained in this patch using the option First Line Routine Print [XU FIRST LINE PRINT]. Once the routines contained in the YS\*5.01\*227 patch have been rolled back, the first two lines of the routines will no longer contain 227 in the patch list section on line 2.

```
::5.01;MENTAL HEALTH;*[Patch List]**;Dec 30, 1994;Build 17
```

## **6 Rollback Procedure**

No data was modified by this patch installation and, therefore, no rollback strategy is required.

### **6.1 Rollback Considerations**

N/A

### **6.2 Rollback Criteria**

N/A

### **6.3 Rollback Risks**

N/A

### **6.4 Authority for Rollback**

N/A

### **6.5 Rollback Procedure**

N/A

### **6.6 Rollback Verification Procedure**

N/A

## Appendix A: Acronyms

Table 5: Acronyms List

Acronym	Description
AC	Application Coordinator
App	Application
ATO	Authority to Operate
CDT	Contractor Development Team
CMT	Configuration Management Team
CONUS	Contiguous United States
DevOps	Development Operations
DIBRG	Deployment, Installation, Back-out, and Rollback Guide
DMA	Data Migration Application
IOC	Initial Operating Capability
KIDS	Kernel Installation & Distribution System
MVC	Model View Controller
NCR	National Clozapine Registry
NCCC	National Clozapine Coordinating Center
OIT	Office of Information & Technology
POC	Point of Contact
SQL	Structured Query Language
UAT	User Acceptance Testing
VA	Department of Veterans Affairs
VAEC	VA Enterprise Cloud
VDD	Version Description Document
VIP	Veteran-focused Integrated Process
VistA	Veterans Health Information Systems and Technology Architecture
VM	Virtual Machine