

Mental Health YS*5.01*236

Deployment, Installation, Back-Out, and Rollback Guide



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**Department of Veterans Affairs
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Revision History

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Table of Contents

1	Introduction	1
1.1	Purpose.....	1
1.2	Dependencies.....	1
1.3	Constraints	1
2	Roles and Responsibilities	1
3	Deployment.....	2
3.1	Timeline	2
3.2	Site Readiness Assessment.....	2
3.2.1	Deployment Topology (Targeted Architecture).....	2
3.2.2	Site Information (Locations, Deployment Recipients).....	2
3.2.3	Site Preparation	2
3.3	Resources.....	3
3.3.1	Facility Specifics (optional)	3
3.3.2	Hardware	3
3.3.3	Software	3
3.3.4	Communications	3
4	Installation	3
4.1	Pre-installation and System Requirements.....	3
4.2	Platform Installation and Preparation.....	3
4.3	Access Requirements and Skills Needed for the Installation	3
4.4	Installation Procedure.....	3
4.5	Post-installation	4
4.6	Installation Verification Procedure	4
4.7	Database Tuning	4
5	Back-Out Procedure	5
5.1	Back-Out Strategy.....	5
5.2	Back-Out Considerations	5
5.3	Back-Out Criteria.....	5
5.4	Back-Out Risks.....	5
5.5	Authority for Back-Out.....	5
5.6	Back-Out Procedure.....	5
5.7	Back-out Verification Procedure	6
6	Rollback Procedure	6
6.1	Rollback Considerations	6
6.2	Rollback Criteria.....	7

6.3	Rollback Risks.....	7
6.4	Authority for Rollback.....	7
6.5	Rollback Procedure.....	7
6.6	Rollback Verification Procedure	7
7	Appendix A – Acronyms	8

List of Tables

Table 1:	Deployment, Installation, Back-out, and Rollback Roles and Responsibilities	1
Table 2:	Acronyms.....	8

1 Introduction

This document describes how to deploy and install the patch YS*5.01*236 of the Mental Health package, as well as how to back-out the product and rollback to a previous version or data set.

This document is a companion to the Project Charter and Management Plan for this effort.

1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom Mental Health patch YS*5.01*236 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

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system. Patches YS*5.01*172, YS*5.01*218, YS*5.01*240, and YS*5.01*250 must be installed prior to this patch.

1.3 Constraints

For all other VistA sites, there are no constraints beyond the installation into an up-to-date VistA system.

2 Roles and Responsibilities

The following describes the roles and responsibilities associated with the testing and release of YS*5.01*236. This application requires both a VistA installation and an update to the web application. The Azure application manager will install the web application part of the patch. The VistA patch will be deployed via the normal PackMan route.

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Project Manager	Deployment	Determine and document the roles and responsibilities of those involved in the deployment	Design
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Test
Project Manager, Release Manager	Deployment	Execute deployment	Release
Individual VistA Sites	Installation	Plan and schedule installation	Release
Azure Manager	Installation	Plan and schedule installation	Release

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Release Manager	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Release
Sustainment Team	Post Deployment	Hardware, Software and System Support	Sustain

3 Deployment

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS*5.01*236 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. It is anticipated there will be a 30-day compliance period.

3.1 Timeline

The deployment and installation are scheduled to run during May, June and July 2025.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS*5.01*236 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

The web part of the application for YS*5.01*236 will be deployed to the Azure application server and will be available at each site once the Veterans Health Information System and Technology Architecture (VistA) patch is installed. Local sites, as well as regional data centers, will need to execute the VistA installation steps during the required installation period to stay synchronized with the updates to the web application.

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 completed and approval is given for national release, YS*5.01*236 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Clement J. Zablocki VAMC (Milwaukee, WI)
- Orlando VAMC (Orlando, FL)
- St. Louis VAMC (St. Louis, MO)

3.2.3 Site Preparation

YS*5.01*236 requires a fully patched VistA system. Patches YS*5.01*172, YS*5.01*218, YS*5.01*240, and YS*5.01*250 must be installed prior to the installation of YS*5.01*236.

3.3 Resources

3.3.1 Facility Specifics (optional)

No specific facility instructions needed.

3.3.2 Hardware

No hardware instructions needed.

3.3.3 Software

No software instructions needed.

3.3.4 Communications

When YS*5.01*236 is released, the released-patch notification will be sent from the National Patch Module to all personnel who have subscribed to notifications for the Mental Health package patch.

4 Installation

4.1 Pre-installation and System Requirements

There are no pre-installation requirements.

4.2 Platform Installation and Preparation

This patch can be loaded with users in the system. Installation time will be less than 5 minutes.

4.3 Access Requirements and Skills Needed for the Installation

Installation of YS*5.01*236 requires access to Kernel Installation and Distribution System (KIDS) options to be able to load and install the KIDS build.

4.4 Installation Procedure

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.

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:
 - A. 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 (YS*5.01*236). The checksums should match this list:

```
YS236PST value = 22131568
YTQRCD B value = 106443894
```

YTQRCDB2	value = 23260673
YTQRCDB3	value = 31863795
YTQRCDB4	value = 52186156
YTQREST	value = 54533191
YTQREST0	value = 14290270
YTQRQAD2	value = 71758288
YTQRQAD3	value = 117057753
YTQRQAD4	value = 204786461
YTQRQAD8	value = 19013813
YTSCORE	value = 70201827
YTSCOREX	value = 65169957
YTSPHI	value = 22082255
YTSPRM10	value = 19643158

- B. Select the Backup a Transport Global option to create a backup message. You must use this option for each patch contained in the Host File. For each patch you can specify what to backup, the entire Build or just Routines. The backup message can be used to restore just the routines or everything that will restore your system to pre-patch condition.
- C. You may also elect to use the following options:
 - i. Print Transport Global - This option will allow you to view the components of the KIDS build.
 - ii. 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.
- D. Select the Install Package(s) option and choose the patch to install (YS*5.01*236).
 - i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.
 - ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.
 - iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

4.5 Post-installation

A post-install routine will run to update the instruments. It will also queue a Taskman job to re-score the PROMIS10 instrument due to a scoring revision change. It will also update the URL for launching Mental Health Assistant (MHA) in the Computerized Patient Record System (CPRS) Tools menu.

4.6 Installation Verification Procedure

Open CPRS and launch the MHA application. Verify that the URL starts with:

<https://mha.med.va.gov/app/home/patch236/>

Close the browser without logging in.

4.7 Database Tuning

No database tuning required.

5 Back-Out Procedure

5.1 Back-Out Strategy

This patch updates the MHA application. If MHA does not perform as desired, it is possible to back out to the previous implementation.

5.2 Back-Out Considerations

If the YS*5.01*236 patch is backed out, there will be minimal impact to users.

5.3 Back-Out Criteria

A back-out should only be considered if there is a patient safety issue if MHA no longer functions; or if there is some other catastrophic failure.

5.4 Back-Out Risks

The risks vary depending on what is causing the failure of the system. The main risk is that the MHA will be unavailable.

5.5 Authority for Back-Out

The VistA system manager determines if a back-out of YS*5.01*236 should be considered.

5.6 Back-Out Procedure

The following routines need to be restored to their previous versions:

- YTQRCDB
- YTQRCDB2
- YTQRCDB3
- YTQREST
- YTQREST0
- YTQRQAD2
- YTQRQAD3
- YTQRQAD4
- YTQRQAD8
- YTSCORE
- YTSCOREX
- YTSPHI
- YTSPRM10

Use the KIDS utility restore the routines backed up in section [4.4, 2B](#).

• Patient Safety Screener 3 (PSS-3)	PSS-3
• Patient Safety Secondary Screener: (PSS-3 2nd)	PSS-3 2ND
• Patient-Reported Outcomes Measurement Information System (PROMIS-10)	PROMIS10
• Lawton-Brody Instrumental Activities of Daily Living Scale	IADL
• Cross-Cutting Symptom Assessment for DSM-5	CCSA-DSM5
• Generalized Anxiety Disorder, 7 items	GAD-7
• Personal Health Inventory (Short)	PHI
• Zarit Burden Interview: Screening version	ZBI SCREEN
• Zarit Burden Interview: Short version	ZBI SHORT
• SF-36 Health Survey	SF36
• Combat Exposure Scale (CES)	CES

6.2 Rollback Criteria

If the patch is backed out, each instrument that was updated should be reviewed for possible rollback in a future patch.

6.3 Rollback Risks

Updates to instruments usually necessary and any rollback risks are minimal.

6.4 Authority for Rollback

If the backout of the patch is authorized, then that same authorization is required for rollback.

6.5 Rollback Procedure

Each of the updated instruments should be reviewed for possible rollback in a future patch.

6.6 Rollback Verification Procedure

Since the updated instruments are not rolled back in this patch, the verification step will be in any future rollback patch that affects the updated instruments.

7 Appendix A – Acronyms

Table 2: Acronyms

Acronym	Definition
CCSA-DSM5	Cross-Cutting Symptom Assessment for DSM-5
CES	Combat Exposure Scale (CES)
EPDS	Edinburgh Postnatal Depression Scale
GAD-7	Generalized Anxiety Disorder, 7 items
IADL	Lawton-Brody Instrumental Activities of Daily Living Scale
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MH	Mental Health
MHA	Mental Health Assistant
OIT	Office of Information and Technology
PHI	Personal Health Inventory (Short)
PROMIS10	Patient-Reported Outcomes Measurement Information System
PSS-3	Patient Safety Screener 3
PSS-3-2ND	Patient Safety Secondary Screener
PIV	Personal Identity Verification
SF-36	SF-36 Health Survey
SPP	Suicide Prevention Package
SQA	Software Quality Assurance
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VistA	Veterans Health Information System and Technology Architecture
ZBI SCREEN	Zarit Burden Interview: Screening version
ZBI SHORT	Zarit Burden Interview: Short version