



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Certified Electronic Record Checker

(BCER)

Installation Guide and Release Notes

Version 2.0
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Office of Information Technology
Division of Information Technology
Albuquerque, New Mexico

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1.0 Release Notes

This package examines Resource and Patient Management System (RPMS) Electronic Health Record (EHR) software packages to verify that the version and patch level is at the minimum level required to meet the 2014 “Certified EHR” requirement of Meaningful Use (MU) 2014.

The following routines are included in this version:

- BCERECK2
- BCERECKA
- BCERECKB

2.0 Installation Notes

Prefix: BCER

Current Version: 2.0

2.1 Contents of Distribution

File	Description
bcer0200.k	KIDS format
bcer020i.pdf	Installation Guide and Release Notes
bcer020t.pdf	Technical Manual
bcer020u.pdf	User Manual

2.2 Required Resources

- AG v7.1 p 11
- AG v7.2 p4 (MPI)
- AMER v3.0 p5 (for hospitals only)
- APCL v3.0 p29
- APCM v1.0 p5
- APSP v7.0 p1017
- AUM v13 p4
- AUPN v99.1 p23
- AUT v98.1 p26
- AVA v93.2 p22
- BCCD v1.0
- BCQM v1.0
- BGO v1.1 p13
- BHS v1.0 p8
- BI v8.5 p5
- BJPC v2.0 p10
- BMC v4.0 p8
- BMX v4.0 p3

- BPHR v2.1
- BQI v2.3 p3
- BSTS v1.0
- BUSA v1.0
- BXT v1.0
- BYIM v2.0 p4
- Ensemble 2012.2.5
- GMRA v4.0 p1007
- GMRC v3 p1004
- GMRV v5.0 p1002
- LR v5.2 p1033
- MAG v3.0 p131, 140 & 144
- PIMS v5.3 p1017
- PXRМ v2.0 p 1002
- RA v5.0 p1005
- TIU v1.0 p1012
- XWB v1.1 p1018

2.3 Before You Begin: Installation Issues

In all Namespaces where BCER will be installed:

If you get the following message during the load or installation process one or more of the patches required for EHR certification for Meaningful Use has not been installed. The BCER installation will not complete until all required patches are installed. After you install the missing patch, you may have to unload BCER before installing this patch again

```
Sorry, environment check failed ....  
BCER 2.0 Build will not be installed  
Mar 05, 2014@10:39:45
```

3.0 Installation Instructions

In all namespaces where BCER will be installed:

1. Capture the terminal output during the installation. Log in as a system manager and go to programmer mode, D ^XUP, and choose: **KERNEL INSTALLATION AND DISTRIBUTION**
2. Load the Distribution into KIDS using option **1** on the KIDS Installation menu. The distribution was released in the file named bcer0200.k.
3. Verify the load using option **2** on the KIDS Installation menu.
4. Consider using options **3** and **4** on the KIDS Installation menu to print and compare the transport global.
5. Install the distribution using option **6**, Install Name = BCER 2.0
 - a. Answer **YES** to “Environment Check Question.”
 - b. Answer **NO** to “Disable Options, Menus, and Inhibit Logons.”
6. Verify that the patch installed properly by displaying the installed patches in the Utility menu
7. If *any requirements are missing, the install will fail*. Review the terminal output file and install the missing requirements. Use “restart install of Package(s)” after installing the missing patches until the installation succeeds.
8. After the environment checker installs successfully contact your MU consultant or coordinator.

4.0 Sample Installations

```
D ^XUP

Setting up programmer environment
This is a TEST account.

Terminal Type set to: C-VT100

Select OPTION NAME: XPD MAIN           Kernel Installation & Distribution System

Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...

Select Kernel Installation & Distribution System Option: Installation

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
Restart Install of Package(s) Unload a Distribution

Select Installation Option: 1  Load a Distribution

KIDS Distribution saved on Aug 14, 2014@16:04:37
Comment: BCER EHR CERTIFICATION

This Distribution contains Transport Globals for the following Package(s):
      BCER 2.0

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

Build BCER 2.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
      BCER 2.0
Will first run the Environment Check Routine, BCERECK2

      Hello, System, Manager
                Checking Environment for EHR Software
                        At Facility 2011 DEMO CLINIC
                                Need Ensemble version 2012.2.5 or later...2012.2.5 was found
Press RETURN:
Use INSTALL NAME: BCER 2.0 to install this Distribution.

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
Restart Install of Package(s) Unload a Distribution
```

```
Select Installation Option: 6  Install Package(s)
Select INSTALL NAME: BCER 2.0      Loaded from Distribution
9/17/14@09:44:59
    => BCER EHR CERTIFICATION ;Created on Aug 14, 2014@16:04:37

This Distribution was loaded on Sep 17, 2014@09:44:59 with header of
    BCER EHR CERTIFICATION ;Created on Aug 14, 2014@16:04:37
It consisted of the following Install(s):
    BCER 2.0
Checking Install for Package BCER 2.0
Will first run the Environment Check Routine, BCERECK2

Hello, System, Manager
                Checking Environment for EHR Software
                At Facility 2011 DEMO CLINIC

                Need Ensemble version 2012.2.5 or later...2012.2.5 was found

Press RETURN ....:

Install Questions for BCER 2.0

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//

Since you are a hospital, check for AMER:
    Need at least AMER V3.0 patch 5....patch 5 PRESENT
    Need at least AG V7.1 patch 11....patch 11 PRESENT
    Need at least MPI (AG) V7.2 patch 4....patch 4 PRESENT
    Need at least APCL V3.0 patch 29....patch 29 PRESENT
    Need at least APCM V1.0 patch 5....patch 5 PRESENT
    Need at least APSP V7.0 patch 1017....patch 1017 PRESENT
    Need at least AUM V13 patch 4....patch 4 PRESENT
    Need at least AUPN V99.1 patch 23....patch 23 PRESENT
    Need at least AUT V98.1 patch 26....patch 26 PRESENT
    Need at least AVA V93.2 patch 22....patch 22 PRESENT
        Need at least BCCD V1.0....v 1.0 PRESENT
        Need at least BCQM V1.0....v 1.0 PRESENT
    Need at least BGO V1.1 patch 13....patch 13 PRESENT
        Need at least BHS V1.0 patch 8.... patch 8 PRESENT
        Need at least BI V8.5 patch 5....patch 5 PRESENT
    Need at least BJPC V2.0 patch 10....patch 10 PRESENT
```


3 Routines checked, 0 failed.

Figure 4-1: Sample Installation

5.0 Installation Configuration

This application is an RPMS checker looking for minimum updates required for a Certified EHR.

There are no additional requirements beyond what is listed in this document.

Acronym List

IHS	Indian Health Service
RPMS	Resource and Patient Management System
MU	Meaningful Use
EHR	Electronic Health Record

Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone: (888) 830-7280 (toll free)

Web: <http://www.ihs.gov/helpdesk/>

Email: support@ihs.gov