



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Certified Electronic Record Checker

(BCER)

Installation Guide and Release Notes

Version 6.2
September 2023

Office of Information Technology
Division of Information Technology

Table of Contents

- 1.0 Release Notes 1**
 - 1.1 Feature Numbers Included in Release..... 1
- 2.0 Installation Notes 2**
 - 2.1 Contents of Distribution 2
 - 2.2 Required Resources 2
- 3.0 Installation Instructions 3**
- 4.0 Sample Installations 4**
 - 4.1 Sample Cache Install 4
- 5.0 Installation Configuration 7**
- Acronym List..... 9**
- Contact Information 10**

Preface

This package examines the Indian Health Service (IHS) Resource and Patient Management System (RPMS) software packages to verify that the version and patch level is at the minimum level required to meet the 2015 Certified Electronic Health Record (EHR) requirements, including the 2015 Edition Cures updates.

1.0 Release Notes

BCER Version 6.2 checks for the minimum level of software version and patches needed to meet 2015 Certified EHR requirements, including the 2015 Edition Cures updates.

It includes the following routines:

- BCEREC62
- BCEROPT

1.1 Feature Numbers Included in Release

- EPIC 76871 - New version release of the BCER package in support of the new 21st Century Cures Act release of the EHI Criteria Cures Release (CHPL v update). BCER v6.2 will validate that ACHS v3.1 p30, BREH v1.0 and LR v5.2 p1052 are installed as part of the certified product
 - Feature 76967 - Updates for (b)(10) EHI Export

2.0 Installation Notes

Prefix: BCER

Current Version: 6.2

2.1 Contents of Distribution

Table 2-1: List of distributed files with descriptions

File	Description
bcer0620.k	KIDS install
bcer062i.pdf	Installation Guide and Release Notes
bcer062t.pdf	Technical Manual
bcer062u.pdf	User Manual

2.2 Required Resources

The following patches needs to be installed prior to installing BCER v6.2:

- Kernel v8.0 patch 1018 (XU*8.0*1018) or later
- FileMan v22.0 patch 1018 (DI*22.0*1018) or later

3.0 Installation Instructions

In all namespaces where BCER will be installed:

1. Log in as a system manager and go to programmer mode, **D ^XUP**, and choose:
KERNEL INSTALLATION AND DISTRIBUTION.
2. Load the KIDS using Option **1** on the **KIDS Installation** menu.
3. Verify the load using Option **2** on the **KIDS Installation** menu.
4. Install the distribution using Option **6**; the **Install Name** is **BCER 6.2**.
 - a. The installation should take less than five minutes.
 - b. The Menu Trees do not need to be rebuilt.
 - c. Logons do not need to be disabled.
 - d. Scheduled Options, Menu Options, or Protocols do not need to be disabled.
 - e. It is strongly recommended that the output not be queued so that the post-install messages display.
 - f. It is recommended that the terminal output during the installation be captured. This will ensure a printed audit trail if any problems should arise. In addition, if any requirements are missing, a list of missing patches and versions is provided during the installation.

4.0 Sample Installations

4.1 Sample Cache Install

```

Select OPTION NAME: XPD MAIN   Kernel Installation & Distribution System

    Edits and Distribution ...
    Utilities ...
    Installation ...

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 <TEST ACCOUNT> Option: 1 Load a Distribution
Enter a Host File: H:\PATCHES\BCER0620.K

KIDS Distribution saved on Jun 13, 2023@09:36:42
Comment: EHR Certification v6.2

This Distribution contains Transport Globals for the following Package(s):
    BCER 6.2
Distribution OK!

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

    BCER 6.2
Use INSTALL NAME: BCER 6.2 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 <TEST ACCOUNT> Option: 2 Verify Checksums in Transport
Global
Select INSTALL NAME: BCER 6.2           Loaded from Distribution
6/13/23@09:37:50
    => EHR Certification v6.2 ;Created on Jun 13, 2023@09:36:42

This Distribution was loaded on Jun 13, 2023@09:37:50 with header of
    EHR Certification v6.2 ;Created on Jun 13, 2023@09:36:42
It consisted of the following Install(s):
    BCER 6.2

```

```

Want each Routine Listed with Checksums: Yes//  YES
DEVICE: HOME//  VIRTUAL

PACKAGE: BCER 6.2      Jun 13, 2023 9:38 am                PAGE 1
-----

BCEREC62  Calculated   86068040
BCEROPT   Calculated   1027127

    2 Routines checked, 0 failed.

    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 <TEST ACCOUNT> Option: 6  Install Package(s)
Select INSTALL NAME: BCER 6.2      Loaded from Distribution
6/13/23@09:37:50
    => EHR Certification v6.2  ;Created on Jun 13, 2023@09:36:42

This Distribution was loaded on Jun 13, 2023@09:37:50 with header of
    EHR Certification v6.2  ;Created on Jun 13, 2023@09:36:42
It consisted of the following Install(s):
    BCER 6.2
Checking Install for Package BCER 6.2

Install Questions for BCER 6.2

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//  VIRTUAL

                                                BCER 6.2
-----
Install Started for BCER 6.2 :
    Jun 13, 2023@09:41:35

Build Distribution Date: Jun 13, 2023

Installing Routines:...
    Jun 13, 2023@09:41:35

Updating Routine file.....

Updating KIDS files.....

BCER 6.2 Installed.
    Jun 13, 2023@09:41:35
    
```

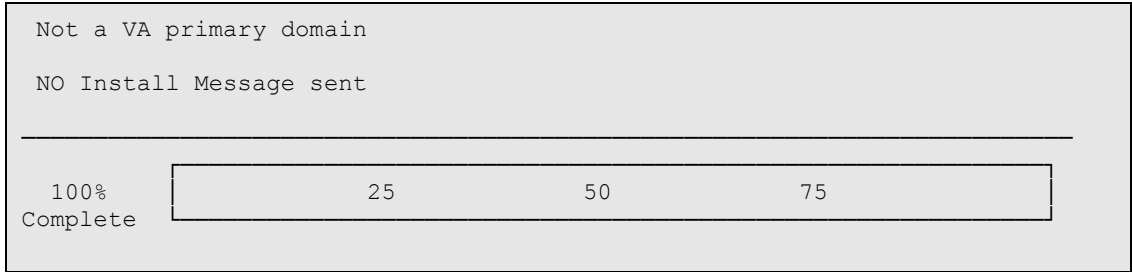



Figure 4-1: Sample installation

5.0 Installation Configuration

This application is an RPMS KIDS build that looks for the minimum required versions and patches needed for the 2015 Certified EHR and appropriate 2015 Edition Cures updates.

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

The **BCERMENU** option can be added to an existing System menu or run directly.

```

Select Menu Management <TEST ACCOUNT> Option: EOP  Edit options

Select OPTION to edit: ADMIN TOOLS          Admin Tools
NAME: ADMIN TOOLS//
MENU TEXT: Admin Tools//
PACKAGE: KERNEL//
OUT OF ORDER MESSAGE:
LOCK:
REVERSE/NEGATIVE LOCK:
DESCRIPTION:
  No existing text
  Edit? NO//
TYPE: menu//
HEADER:
ENTRY ACTION:
EXIT ACTION:
Select ITEM: ADSLICRPT// BCERMENU          Certification Installation Check
  Are you adding 'BCERMENU' as a new MENU (the 13TH for this OPTION)? No//
Y
  (Yes)
  MENU SYNONYM: BCER
  SYNONYM: BCER//
  DISPLAY ORDER: 15
Select ITEM:
CREATOR: ADAM,ADAM//
HELP FRAME: ^

Select OPTION to edit:

Select IHS Kernel <TEST ACCOUNT> Option: 12  Admin Tools

  1      Stop/restart Lab to PCC Transaction Processor
  2      BMXNet Management ...
  3      Background Process Control Menu ...
  4      CIA Broker Main Menu ...
  5      Manage CCDA transmissions
  6      Monitor Taskman
  7      System Status
  8      Restart Task Manager
  9      Stop Task Manager
 10     Display of Programmer Mode Entry List
 11     Build Primary Menu Trees
BCER  Certification Installation Check
ADS     ADS INTERSYSTEMS LICENSE REPORT
    
```

Figure 5-1: BCER Certification Installation Check option

After installation, run the menu option to see which EHR Certification installations might be missing.

Acronym List

Acronym	Meaning
CHIT	Certified Health IT
EHR	Electronic Health Record
IHS	Indian Health Service
IT	Information Technology
RPMS	Resource and Patient Management System

Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

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

Web: <https://www.ihs.gov/itsupport/>

Email: itsupport@ihs.gov