RESOURCE AND PATIENT MANAGEMENT SYSTEM

Certified Electronic Record Checker

(BCER)

Installation Guide and Release Notes

Version 9.0
November 2025

Office of Information Technology
Division of Information Technology

Table of Contents

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 eCQM-2025 requirements.

1.0   Release Notes

The Certified Electronic Record Checker (BCER) v9.0 checks for the minimum level of software version and patches needed to meet eCQM-2025 requirements.

It includes the following routines:

- BCEREC90
- BCEROPT

1.1   Feature Numbers Included in Release

- Feature 111020–BCER updates for eCQM-2025

    Description: BCER certification check for eCQM-2025 release

- Feature 116592-BCER updates for HTI-1

    Description: BCER certification check for HTI-1 release

2.0   Installation Notes

Prefix: BCER
Current version: 9.0

2.1   Contents of Distribution

Table 2-1: List of distributed files with descriptions

File	Description
bcer0900.k	KIDS install
bcer090i.pdf	Installation Guide and Release Notes
bcer090t.pdf	Technical Manual
bcer090u.pdf	User Manual

2.2   Required Resources

The following patches need to be installed prior to installing BCER v9.0:

- Kernel v8.0 p1018 (XU*8.0*1018) or later

- FileMan v22.0 p1018 (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 9.0.**

   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

```
F5Q1D>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 <TEST ACCOUNT> 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:\temp\f5q1d\builds\bcer\bcer0900.k

KIDS Distribution saved on Aug 13, 2025@12:07:23
Comment: BCER 9.0

This Distribution contains Transport Globals for the following Package(s):
Build BCER 9.0
OK to continue with Load? NO// y  YES

Distribution OK!

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

   BCER 9.0
Use INSTALL NAME: BCER 9.0 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 <TEST ACCOUNT> Option: 2  Verify Checksums in Transport
Global
Select INSTALL NAME:    BCER 9.0     Loaded from Distribution
5/6/25@16:36:02
     => BCER 9.0  ;Created on May 06, 2025@14:16:14

This Distribution was loaded on May 06, 2025@16:36:02 with header of
   BCER 9.0  ;Created on May 06, 2025@14:16:14
   It consisted of the following Install(s):
       BCER 9.0

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

PACKAGE: BCER 9.0     Aug 13, 2025 12:15 pm                          PAGE 1
-----------------------------------------------------------------------------


BCEREC90  Calculated  105517614
BCEROPT   Calculated    1495454

   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 9.0     Loaded from Distribution
8/13/25@12:15:14
     => BCER 9.0  ;Created on Aug 13, 2025@12:07:23

This Distribution was loaded on Aug 13, 2025@12:15:14 with header of
   BCER 9.0  ;Created on Aug 13, 2025@12:07:23   It consisted of the
following Install(s):
       BCER 9.0
Checking Install for Package BCER 9.0

Install Questions for BCER 9.0




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// VIRTUAL
```

```
qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq

Install Started for BCER 9.0 :
                Aug 13, 2025@12:15:41

Build Distribution Date: Aug 13, 2025

 Installing Routines:
                Aug 13, 2025@12:15:41

 Updating Routine file...

 Updating KIDS files...

 BCER 9.0 Installed.
                Aug 13, 2025@12:15:41

Install Completed
```

Figure 4-1: Sample installation

5.0 Installation Configuration

This application is an RPMS KIDS build that looks for the minimum level of software version and patches needed to meet eCQM-2025 requirements.

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 Report
  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 Report
    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. See User Manual for examples.

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