



RESOURCE AND PATIENT MANAGEMENT SYSTEM

IHS Emergency Department Dashboard

(BEDD)

Addendum to the Technical Manual

Version 2.0 Patch 1
February 2017

Office of Information Technology
Division of Information Technology

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Preface

The purpose of this manual is to provide technical information about the Version 2.0 release of the Indian Health Service (IHS) Emergency Department Dashboard (EDD) application which has been developed and released for use in the new Resource and Patient Management System (RPMS) BEDD namespace. This package is completely dependent on the RPMS Emergency Room System (ERS) packages.

1.0 Introduction

The EDD is a tool that electronically enables facilities to run and manage their emergency and urgent care clinics. It is dependent on the ERS in the AMER namespace. EDD was built on the ERS foundation to enhance patient flow and provider communication.

EDD can be set up to operate as a standalone icon on the staff computer or can be accessed from within the RPMS Electronic Health Record (EHR) application.

This manual provides IHS site managers with a technical description of the BEDD package routines, files, menus, cross references, globals, and other necessary information required to effectively manage the EDD system. The document has been updated to reflect changes released with BEDD Version 2.0 Patch 1.

All routines, files, options, and keys are namespaced starting with the letters BEDD. The file number range for this package is 9002316 – 9002316.99.

2.0 Orientation

The EDD application has no RPMS menu options for users. The only RPMS preparation specifically needed prior to installing the EDD application is that the AMER version 3.0 patch 8 must first be installed. After this patch is installed, the “BEDD0200.01.xml” XML build and “BEDD*2.0*1” Kernel Installation and Distribution System (KIDS) build can be installed. See the *Addendum to the Installation Guide and Release Notes* for details on server and client installation and configuration.

3.0 Implementation and Maintenance

The EDD is designed to work with RPMS by interfacing directly with the AMER application, which it accesses using the site's standalone Internet Information Services (IIS) web server.

3.1 General Information

The following table shows the prerequisite patch requirements.

Table 3-1: Prerequisites

Package and Version	Associated Patch Designation(s)	Brief Patch Description
AMER VERSION 3.0	Patch 8	Update of AMER package containing enhancements, bug fixes, and modifications to support BEDD v2.0 Patch 1.

3.2 System Requirements

The following table shows the versions of other packages that should be installed for the EDD to work properly.

Table 3-2: System requirements

Module	Minimum Version
VA FileMan (DI)	v22.0 Patch 1003
VA Kernel (XU)	v8.0 Patch 1009
IHS/VA Utilities (XB)	v3.0 through Patch 11
AMER	v3.0 Patch 8
Patient Care Component PCC Data Entry (APCD)	v2.0 through Patch 10
IHS PCC SUITE (BJPC)	V2.0 through Patch 11
EHR 1.1	v1.1 Patch 14
Lexicon Utility (LEX)	v2.0 Patch 1003
Ensemble	v2012.2.5

3.3 Package-wide Variables

There are no package-wide BEDD variables in RPMS.

3.4 Security Keys

Access to BEDD is granted through the allocation of security keys as follows:

Table 3-3: Security Keys

Key Name	Description
BEDDZMGR	Users holding this key are allowed manager access to the EDD application
BEDDZDASH	Users holding this key are allowed user access to the EDD application
BEDDZWHITEBOARD	Users holding this key and the BEDDZMGR key are allowed to modify the BEDD Whiteboard custom settings

3.5 Parameters

There are no new parameters delivered with the BEDD package.

4.0 BEDD Menu

BEDD is a separate GUI application and thus has no RPMS menus or options.

5.0 Routine Descriptions

5.1 KIDS

5.1.1 Routine List

The following routines have been released with the “BEDD DASHBOARD 2.0” KIDS build and “BEDD*2.0*1”.

BEDD2ENV BEDD2PST BEDDEHR BEDDEHRS BEDDGET
 BEDDINJ BEDDMREC BEDDPOV BEDDSYNC BEDDTRPT
 BEDDUTID BEDDUTIF BEDDUTIL BEDDUTIU BEDDUTL1

5.1.2 Routines with Description

This routine list describes each routine in this version.

Table 5-1: Routine List

Routine	Description	Patch 1
BEDD2ENV	Version 2.0 environmental checking routine	No
BEDD2P01	Version 2.0 Patch 1 environmental checking and post installation routine	Yes
BEDD2PST	Version 2.0 post installation routine	No
BEDDEHR	Contains code to change the EHR patient and visit	No
BEDDEHRS	Patient routing slip generator	No
BEDDGET	Utility function routine	Yes
BEDDINJ	Patient injury handling routine	No
BEDDMREC	Patient medication reconciliation report	No
BEDDPOV	Purpose of visit handling routine	No
BEDDSYNC	Routine to synchronize BEDD with AMER	No
BEDDTRPT	BEDD EDD triage report	No
BEDDUTID	Contains functions which integrate the dashboard with RPMS	Yes

Routine	Description	Patch 1
BEDDUTIF	Print formatting – currently not utilized but included for future use	No
BEDDUTIL	Contains additional functions which integrate the dashboard with RPMS	Yes
BEDDUTIU	Contains additional functions which integrate the dashboard with RPMS	No
BEDDUTL1	Decision to admit date handling	No

5.1.3 Function List

5.1.3.1 **ACMP^BEDDUTIU**

Returns a list of ambulance company names.

5.1.3.2 **\$\$ADMCHK^BEDDUTIU**

Returns if the patient is already admitted.

5.1.3.3 **ADDDX^BEDDUTID**

Original function to add new International Classification of Diseases (ICD) code set 9 entry to the V POV file.

5.1.3.4 **\$\$ADMAMB^BEDDUTIU**

Returns the ambulance billing number for the patient visit.

5.1.3.5 **\$\$ADMAMC^BEDDUTIU**

Returns the admission ambulance company for a patient visit.

5.1.3.6 **\$\$ADMAMN^BEDDUTIU**

Returns the ambulance number for the visit admission.

5.1.3.7 **\$\$ADMCMP^BEDDUTIU**

Returns the visit's presenting complaint.

5.1.3.8 **\$\$ADMDTM^BEDDUTIU**

Returns the current admission date and time value for a patient visit.

5.1.3.9 \$\$ADMFTRN^BEDDUTIU

Returns the admission transferred from for a patient visit.

5.1.3.10 \$\$ADMMAT^BEDDUTIU

Returns whether the medical attendant was present for the admission.

5.1.3.11 \$\$ADMOT^BEDDUTIU

Returns the admission mode of transport for a patient visit.

5.1.3.12 \$\$ADMTRN^BEDDUTIU

Returns the admission transferred value for a patient visit.

5.1.3.13 \$\$ADMVTP^BEDDUTIU

Returns the admission visit type.

5.1.3.14 \$\$AGE^BEDDUTID

Return the patient's age.

5.1.3.15 \$\$AUTH^BEDDUTIL

Returns whether the user has been granted access to the EDD.

5.1.3.16 BEDDLST^BEDDUTIL

Returns a list of patients currently on the EDD.

5.1.3.17 BLDTRG^BEDDUTIL

Returns a list of triage acuities.

5.1.3.18 \$\$CCLN^BEDDUTID

Returns clinic mnemonic.

5.1.3.19 \$\$CHECKAV^BEDDUTIL

Validates the ACCESS and VERIFY code entries and returns DUZ information.

5.1.3.20 \$\$CHGENC^BEDDEHR

Function which changes the EHR visit to the selected visit.

5.1.3.21 \$\$CHGPAT^BEDDEHR

Function which changes the EHR patient to the selected patient.

5.1.3.22 CLIN^BEDDUTID

Returns list of clinics.

5.1.3.23 \$\$CLIN^BEDDUTIU

Returns the clinic internal entry number.

5.1.3.24 CONS^BEDDUTIU

Returns list of consult types.

5.1.3.25 \$\$DATE^BEDDUTIL

Convert standard date and time to FileMan date and time.

5.1.3.26 \$\$DATE^BEDDUTIU

Convert external date to FileMan.

5.1.3.27 DEVLST^BEDDUTIU

Returns a list of RPMS devices.

5.1.3.28 DISP^BEDDUTID

Returns list of dispositions.

5.1.3.29 \$\$DPCP^BEDDUTIL

Returns the patient's designated primary care provider.

5.1.3.30 \$\$DSAVE^BEDDUTID

Saves patient discharge information.

5.1.3.31 \$\$DSUM^BEDDUTID

Returns if discharge summary global is defined.

5.1.3.32 \$\$DTCHK^BEDDUTIU

Date checking function.

5.1.3.33 \$\$DTCMP^BEDDUTIU

Add or subtract days from the supplied date.

5.1.3.34 DX^BEDDUTID

Returns an array of EDD ICD-9 code entries for a patient.

5.1.3.35 DXLKP^BEDDPOV

ICD Lexicon lookup.

5.1.3.36 DXLKP^BEDDUTID

Returns list of ICD-9 codes meeting the specified search criteria.

5.1.3.37 EDCON^BEDDUTID

Returns an array of EDD consults for a patient.

5.1.3.38 EDSYS^BEDDUTW

Load system variables for AMER admission.

5.1.3.39 \$\$EMV^BEDDUTID

Returns the V EMERGENCY VISIT RECORD entry.

5.1.3.40 EN^BEDDEHRS

Prints patient routing slip.

5.1.3.41 EN^BEDDMREC

Prints patient medication reconciliation.

5.1.3.42 \$\$ESAVE^BEDDUTID

Performs dashboard board edit page save.

5.1.3.43 \$\$FM2HD^BEDDUTIL

Convert FileMan date and time to \$H date portion.

5.1.3.44 \$\$FM2HT^BEDDUTIL

Convert FileMan date and time to \$H time portion.

5.1.3.45 \$\$FMTE^BEDDUTIL

Convert FileMan date and time to external date and time.

5.1.3.46 \$\$FNOW^BEDDUTIL

Returns the current FileMan date and time.

5.1.3.47 \$\$GETCC^BEDDUTIL

Returns the chief complaint for the patient for the visit.

5.1.3.48 \$\$GETF^BEDDUTIL

Returns the specified FileMan field and file value.

5.1.3.49 \$\$GETOSTAT^BEDDUTIL

Get order summary by package type.

5.1.3.50 \$\$HTIME^BEDDUTID

Given seconds portion of \$H value, return time.

5.1.3.51 ICAU^BEDDUTIU

Returns a list of injury causes.

5.1.3.52 INJURY^BEDDINJ

Returns injury related information.

5.1.3.53 INST^BEDDUTID

Returns list of follow-up instructions.

5.1.3.54 \$\$KEYCK^BEDDUTID

Returns if the user has the BEDDZMGR key.

5.1.3.55 \$\$MDTRN^BEDDUTID

Updates the MODE OF TRANSPORT for a patient visit.

5.1.3.56 \$\$MINWTG^BEDDUTIL

Calculates difference in minutes between specified value and \$H.

5.1.3.57 MTRN^BEDDUTIU

Returns a mode of transport list values.

5.1.3.58 \$\$NARR^BEDDUTIU

Returns the internal entry number for the provider narrative.

5.1.3.59 \$\$PLCHLD^BEDDUTID

Returns information for default “.9999” ICD-9 code.

5.1.3.60 \$\$PPR^BEDDUTIL

Returns the primary provider.

5.1.3.61 \$\$PRIMDX^BEDDUTID

Retrieves/Saves the primary ICD-9 code.

5.1.3.62 PROC^BEDDUTID

Returns an array of EDD procedures for a patient.

5.1.3.63 PROC^BEDDUTIU

Returns a list of EDD procedures.

5.1.3.64 PROV^BEDDUTID

Returns list of providers.

5.1.3.65 \$\$PTALG^BEDDUTIL

Returns the allergies for a patient.

5.1.3.66 \$\$PTPCP^BEDDUTIL

Returns a patient’s primary care provider.

5.1.3.67 RMAV^BEDDUTW

Check room availability.

5.1.3.68 SAFE^BEDDUTIU

Returns a list of safety measures.

5.1.3.69 \$\$\$SAVE^BEDDPOV

Add/update V POV entry.

5.1.3.70 SCEN^BEDDUTIU

Returns a list of injury settings.

5.1.3.71 \$\$\$SCLN^BEDDUTID

Returns converted clinic internal entry number.

5.1.3.72 SITE^BEDDUTIL

Returns a list of sites from the MEDICAL CENTER DIVISION (#40.8) file.

5.1.3.73 \$\$\$NAME^BEDDUTIL

Returns the file site name of the specified entry.

5.1.3.74 TFRM^BEDDUTIU

Returns a list of Transfer from values.

5.1.3.75 \$\$TODLH^BEDDUTIL

Converts external date to \$H format.

5.1.3.76 \$\$TRGUPD^BEDDUTIL

Updates visit triage information.

5.1.3.77 TRNF^BEDDUTID

Returns list of transfer facilities.

5.1.3.78 \$\$UPPER^BEDDUTID

Convert string to uppercase.

5.1.3.79 VTYP^BEDDUTIU

Returns a list of EDD visit types.

5.1.3.80 \$\$XCLIN^BEDDUTIL

Returns the external clinic value.

5.1.3.81 \$\$XDATE^BEDDUTID

Converts external date and time to FileMan date and time.

5.1.3.82 \$\$XNOW^BEDDUTIL

Return current external date and time.

5.2 Returns the current external date and time.XML**5.2.1 Routine List**

The following routines have been released with the “BEDD0200.XML” XML build file.

BEDD2X01 BEDD2XML BEDDRPT BEDDPREF BEDDUTIS
BEDDUTW BEDDUTW1

5.2.2 Routines with Description

This routine list describes each routine in this version.

Table 5-2: Routine List

Routine	Description	Patch 1
BEDD2X01	Routine stub to verify that version 2.0 Patch 1 XML build was loaded	Yes
BEDD2XML	Routine stub to verify that version 2.0 XML build was loaded	Yes
BEDDPREF	Setup user preference handling	Yes
BEDDRPT	Generates EDD reports	No
BEDDUTIS	Discharge from BEDD and AMER	Yes
BEDDUTW	Various room and bed management functions	Yes
BEDDUTW1	Various utility functions	Yes

5.2.3 Function List**5.2.3.1 BEDDED^BEDDUTW**

Return EDD information for a visit.

5.2.3.2 \$\$CHECKWB^BEDDPREF

Check Whiteboard login credentials.

5.2.3.3 \$\$DC^BEDDUTIS

Discharges the patient from the AMER and EDD.

5.2.3.4 \$\$DPCP^BEDDUTW

Return the PtDFN field value.

5.2.3.5 \$\$DSPINFO^BEDDUTW

Returns the BEDD.EDVISIT info value for a patient visit.

5.2.3.6 \$\$DT^BEDDUTIS

Calculates the difference between two times.

5.2.3.7 \$\$DXCNT^BEDDUTIS

Get a count of EDD ICD-9 codes for a patient visit.

5.2.3.8 \$\$EDCNT^BEDDUTIS

Get a count of EDD consults for a patient visit.

5.2.3.9 EDSYS^BEDDUTW

Load BEDD system variables.

5.2.3.10 \$\$FNDDX^BEDDUTW

Returns whether an ICD-9 code has been entered for a patient visit.

5.2.3.11 LKLST^BEDDUTW

Returns a list of locked entries on the EDD.

5.2.3.12 LOADSYS^BEDDUTW

Returns a list of EDD system values.

5.2.3.13 \$\$LUPREF^BEDDPREF

Return user preferences for a site/user.

5.2.3.14 \$\$NEW^BEDDUTW

Logs new visit on the EDD and returns the new internal entry number.

5.2.3.15 \$\$NMFRMT^BEDDPREF

Format a patient's name for display.

5.2.3.16 \$\$PRCNT^BEDDUTIS

Get a count of EDD procedures for a patient visit.

5.2.3.17 RMAV^BEDDUTW

Check room availability

5.2.3.18 \$\$RMCHK^BEDDUTW

Returns whether the specified room is occupied by anyone other than the patient.

5.2.3.19 \$\$RMLST^BEDDUTW

Returns the last room occupied by a patient for a visit.

5.2.3.20 SAVEDX^BEDDUTW

Saves the diagnosis information into the Cache class.

5.2.3.21 \$\$SUPREF^BEDDPREF

Save user preferences for a site/user.

5.2.3.22 UPPRV^BEDDUTW

Save the primary provider.

5.2.3.23 \$\$WACCESS^BEDDPREF

Return whether a user can edit the Whiteboard settings.

5.2.3.24 \$\$WBPREF^BEDDPREF

Save Whiteboard settings.

6.0 Classes

6.1 List of Emergency Department Dashboard Classes

A list of the new classes with the EDD Application is included below. All of the specified class names exist within the BEDD package.

Table 6-1: Emergency Department Dashboard Classes

Class Name	Description
BEDD.EDConsults	Main storage for EDD Consult Patient Data
BEDD.EDDiagnosis	Holds diagnosis information for the patient visit that will be sent to the patient record
BEDD.EDInjury	Main storage for EDD Injury Patient Data
BEDD.EDProc	Main storage for EDD Procedure Patient Data
BEDD.EDRooms	Main storage for EDD Room Data
BEDD.EDRoomUse	Main storage for EDD Room Use Data
BEDD.EDSYSTEM	Main storage for EDD System Data
BEDD.EDUserPreferences	Storage for individual user preferences
BEDD.EDVISIT	Main storage for EDD Visit Data
BEDD.EDWarning	Main storage for EDD Warning Data – Currently not implemented
BEDDAPPL.EDManager	%Zen EDD Manager page stylesheet
BEDDAPPL.EDMenu	%Zen EDD Menu page stylesheet
BEDDAPPL.EDRoom	%Zen EDD room page stylesheet
BEDDAPPL.EDRoomModel	%Zen Data Model for EDD Rooms
BEDDAPPL.EDSystem	%Zen EDD System stylesheet
BEDDAPPL.EDSystemModel	%Zen Data Model for EDD System
BEDDAPPL.EDWarning	%Zen stylesheet for EDD Dashboard Warnings
BEDDAPPL.EDWarningModel	%Zen Data Model for EDD Dashboard Warnings

6.2 Method List – BEDD Package

6.2.1 BEDD.EDConsults.GetName

Returns the patient name.

6.2.2 BEDD.EDConsults.GetChart

Returns the patient chart number.

6.2.3 BEDD.EDConsults.GetAge

Returns the patient age.

6.2.4 BEDD.EDConsults.GetSex

Returns the patient sex.

6.2.5 BEDD.EDConsults.GetCIDt

Returns the check-in date.

6.2.6 BEDD.EDConsults.GetCITm

Returns the check-in time.

6.2.7 BEDD.EDConsults.CmbDt

Returns the combined check-in date and time.

6.2.8 BEDD.EDConsults.CmbNotify

Returns the combined check in date and time.

6.2.9 BEDD.EDConsults.GetDOB

Returns the patient date of birth.

6.2.10 BEDD.EDConsults.GetCNS

Not utilized in current version.

6.2.11 BEDD.EDConsults.GetCN

Not utilized in current version.

- 6.2.12** **BEDD.EDProc.GetName**
Returns the patient name.
- 6.2.13** **BEDD.EDProc.GetStfN**
Returns the procedure staff.
- 6.2.14** **BEDD.EDProc.GetChart**
Returns the patient chart.
- 6.2.15** **BEDD.EDProc.GetAge**
Returns the patient age.
- 6.2.16** **BEDD.EDProc.GetSex**
Returns the patient sex.
- 6.2.17** **BEDD.EDProc.GetCIDt**
Returns the visit check in date.
- 6.2.18** **BEDD.EDProc.CalcTime**
Calculates the procedure time spent.
- 6.2.19** **BEDD.EDProc.GetCITm**
Returns the visit check in time.
- 6.2.20** **BEDD.EDProc.CmbDt**
Returns the combined check in date and time.
- 6.2.21** **BEDD.EDProc.CmbDtT**
Returns the combined procedure date and time.
- 6.2.22** **BEDD.EDProc.GetDOB**
Returns the patient date of birth.
- 6.2.23** **BEDD.EDProc.GetProcN**
Returns the procedure name.

- 6.2.24** **BEDD.EDSYSTEM.GetName**
Returns site name.
- 6.2.25** **BEDD.EDSYSTEM.GetPName**
Returns site name.
- 6.2.26** **BEDD.EDVISIT.GetName**
Returns the patient name.
- 6.2.27** **BEDD.EDVISIT.GetProvN**
Returns the provider name.
- 6.2.28** **BEDD.EDVISIT.GetDispN**
Returns the disposition.
- 6.2.29** **BEDD.EDVISIT.GetInjC**
Returns the injury cause.
- 6.2.30** **BEDD.EDVISIT.GetInjS**
Returns the injury setting.
- 6.2.31** **BEDD.EDVISIT.GetPtComplaint**
Returns the visit complaint.
- 6.2.32** **BEDD.EDVISIT.GetDecAdmit**
Returns decision to admit date.
- 6.2.33** **BEDD.EDVISIT.GetPtStat**
Returns the patient status (check-in, triage, in room, pending).
- 6.2.34** **BEDD.EDVISIT.GetCIDt**
Returns the patient check in date.
- 6.2.35** **BEDD.EDVISIT.GetCITm**
Returns the patient check in time.

- 6.2.36 **BEDD.EDVISIT.GetTrgA**
Returns the visit triage acuity.
- 6.2.37 **BEDD.EDVISIT.GetTrgDt**
Returns the visit triage date.
- 6.2.38 **BEDD.EDVISIT.GetTrgDtTm**
Returns the visit triage date and time.
- 6.2.39 **BEDD.EDVISIT.GetAdPvDtm**
Returns the visit admitting provider date and time.
- 6.2.40 **BEDD.EDVISIT.GetAM**
Returns the visit mode of transport.
- 6.2.41 **BEDD.EDVISIT.GetTrgTm**
Returns the visit triage time.
- 6.2.42 **BEDD.EDVISIT.GetTrgN**
Returns the visit triage nurse.
- 6.2.43 **BEDD.EDVISIT.GetTrgC**
Returns the visit triage clinic type.
- 6.2.44 **BEDD.EDVISIT.GetDisp**
Returns the visit disposition.
- 6.2.45 **BEDD.EDVISIT.GetDCN**
Returns the visit discharge nurse.
- 6.2.46 **BEDD.EDVISIT.GetDCP**
Returns the visit discharge provider.
- 6.2.47 **BEDD.EDVISIT.GetDCDtTm**
Returns the visit discharge date and time.

- 6.2.48** **BEDD.EDVISIT.GetDCDt**
Returns the visit discharge date.
- 6.2.49** **BEDD.EDVISIT.GetDCTm**
Returns the visit discharge time.
- 6.2.50** **BEDD.EDVISIT.GetCln**
Returns the visit discharge clinic.
- 6.2.51** **BEDD.EDVISIT.GetERCC**
Returns the presenting complaint for the visit.
- 6.2.52** **BEDD.EDVISIT.CmbDt**
Returns the combined check in date and time.
- 6.2.53** **BEDD.EDVISIT.GetCC**
Returns the chief complaint.
- 6.2.54** **BEDD.EDVISIT.GetDC**
Returns the visit disposition.
- 6.2.55** **BEDD.EDVISIT.GetPrimN**
Returns the primary nurse for the visit.
- 6.2.56** **BEDD.EDVISIT.GetICDN**
Returns the ICD-9/ICD-10 code.
- 6.2.57** **BEDD.EDVISIT.GetAdmPrv**
Returns the admitting provider.
- 6.2.58** **BEDD.EDVISIT.GetSex**
Returns the patient sex.
- 6.2.59** **BEDD.EDVISIT.GetDOB**
Returns the patient date of birth.

- 6.2.60 **BEDD.EDVISIT.GetAge**
Returns the patient age.
- 6.2.61 **BEDD.EDVISIT.GetChart**
Returns the patient chart.
- 6.2.62 **BEDD.EDVISIT.GetWtg**
Returns the visit wait time based on their status.
- 6.2.63 **BEDD.EDVISIT.GetPtStatN**
Returns the visit external status.
- 6.2.64 **BEDD.EDVISIT.GetVD**
Returns the total visit duration.
- 6.2.65 **BEDD.EDVISIT.GetInstN**
Returns the followup instructions.
- 6.2.66 **BEDD.EDVISIT.GetInd**
Returns the industry – not implemented.
- 6.2.67 **BEDD.EDVISIT.GetOcc**
Returns the occupation – not implemented.
- 6.2.68 **BEDD.EDVISIT.GetFinA**
Returns the final acuity.

7.0 Cache Server Page (CSP) Files

7.1 List of EDD Cache Server Pages

A list and description of the new CSP pages for the EDD Application is included below. All of the specified class names exist within the BEDD package.

Table 7-1: EDD Cache Server Pages

CSP Page Name	Description
BEDD	Main Emergency Department Dashboard screen
BEDDASRPT	Admissions Summary Report
BEDDCITMRPT	Check-In Summary by Hour Report
BEDDCLOGRPT	Central Log Report
BEDDCONS	Emergency Department Consult Worksheet
BEDDDC	Main Discharge Screen
BEDDDCTMRPT	Discharge Summary by Discharge Hour Report
BEDDDIAG	Diagnosis Page Worksheet
BEDDEDC	Discharge Listing
BEDDEDCV	Discharge Summary
BEDDEDIT1	Edit Page
BEDDIL	Invalid Login Page
BEDDINJ	Injury Worksheet
BEDDLCKIT	Locking Page
BEDDLCKREL	Locked Records Listing
BEDDLogin	Main Entry/Login Page
BEDDLogin1	ACCESS/VERIFY Page
BEDDLOS RPT	Length of Stay by Acuity
BEDDPROC	Procedure Page
BEDDRMTMRPT	Room Utilization by Hour
BEDDRPTMNU	Main Report Menu Page
BEDDTRG	Triage Report
BEDDUA	Unauthorized Access Page
BEDDUNLOCK	Unlock Record Page

8.0 Files and Tables

8.1 File List

There are no RPMS files or tables included in the BEDD application.

8.2 File Access

N/A

8.3 Cross References

N/A

8.4 Table File

N/A

8.5 File Diagram or Flowchart

N/A

9.0 External Relations

9.1 External Calls

The BEDD package utilizes the following external calls:

Routine	is Invoked by:
^%DT	BEDDUTID, BEDDUTIL, BEDDUTIU
C^%DTC	BEDDUTIL, BEDDUTIU
H^%DTC	BEDDUTIS
NOW^%DTC	BEDDUTIL
YX^%DTC	BEDDUTIS
^%ZIS	BEDDEHRS, BEDDMREC
HOME^%ZIS	BEDDEHRS, BEDDMREC
^%ZISC	BEDDEHRS, BEDDMREC
CLOSE^%ZISH	BEDDEHRS, BEDDMREC
\$\$VERSION^%ZOSV	BEDD2ENV
^%ZTER	BEDDGET, BEDDPOV, BEDDRPT, BEDDTRPT, BEDDUTID, BEDDUTIL, BEDDUTIU, BEDDUTW
^%ZTLOAD	BEDDEHRS, BEDDMREC
HDR^AG	BEDDUTIL
PHDR^AG	BEDDUTIL
PTLK^AG	BEDDEHRS, BEDDMREC
DFN^AGCARD	BEDDUTIL
\$\$OPT^AMERO	BEDDUTIS
UTL^AMERO	BEDDUTIS
LOG^AMERBUSA	BEDDUTIU
\$\$DR1^AMERSAV	BEDDUTIS
CONSULT^AMERSAV	BEDDUTIS
DRM^AMERSAV	BEDDUTIS
KILLADM^AMERSAV	BEDDUTIS
STUFF^AMERSAV	BEDDUTIS
\$\$DT^AMERSAV1	BEDDUTIS
\$\$RUN^AMERSAV1	BEDDUTIS
INJ^AMERSAV1	BEDDUTIS
\$\$AICD^AMERUTIL	BEDDPOV
\$\$POV^AMERUTIL	BEDD2PST, BEDDPOV, BEDDUTID
LEX^AMERUTIL	BEDDPOV
POV^AMERUTIL	BEDDPOV, BEDDUTIS
VER^AMERVER	BEDDUTID, BEDDUTIS
^APCDALVR	BEDDPOV
\$\$AGE^AUPNPAT	BEDDUTID
\$\$IMP^AUPNSICD	BEDDPOV
MOD^AUPNVSIT	BEDDINJ, BEDDPOV, BEDDSYNC, BEDDUTID
\$\$ICDDX^AUPNVUTL	BEDDPOV, BEDDUTID
XML^BEDD2X01	BEDD2P01
XML^BEDD2XML	BEDD2ENV
EN^BEDDEHRS	BEDDUTIL
INJURY^BEDDINJ	BEDDPOV
EN^BEDDMREC	BEDDUTIL
\$\$SAVE^BEDDPOV	BEDD2PST
DXLKP^BEDDPOV	BEDDUTID
\$\$MDTRN^BEDDUTID	BEDDUTIL
\$\$UPPER^BEDDUTID	BEDDPOV
\$\$DATE^BEDDUTIL	BEDDRPT, BEDDUTID, BEDDUTL1, BEDDUTW
\$\$DPCP^BEDDUTIL	BEDDUTW
\$\$FMTE^BEDDUTIL	BEDDEHRS, BEDDMREC, BEDDRPT, BEDDTRPT, BEDDUTID, BEDDUTIU, BEDDUTW

\$\$FNOW^BEDDUTIL	BEDDUTID , BEDDUTIU
\$\$GETF^BEDDUTIL	BEDDRPT , BEDDUTID , BEDDUTW
\$\$MINWTG^BEDDUTIL	BEDDUTW
\$\$PPR^BEDDUTIL	BEDDRPT , BEDDUTW
\$\$PTALG^BEDDUTIL	BEDDMREC , BEDDTRPT
\$\$PTPCP^BEDDUTIL	BEDDUTIL
\$\$TODLH^BEDDUTIL	BEDDRPT , BEDDUTW
\$\$XNOW^BEDDUTIL	BEDDEHRS , BEDDMREC
BEDDLST^BEDDUTIL	BEDD2PST , BEDDUTW
SITE^BEDDUTIL	BEDDUTW
\$\$EDCNT^BEDDUTIS	BEDDRPT
DC^BEDDUTIS	BEDDUTID
DXCNT^BEDDUTIS	BEDDRPT
\$\$CLIN^BEDDUTIU	BEDDUTIS
\$\$DATE^BEDDUTIU	BEDDUTIL , BEDDUTIU
POV^BEDDUTIU	BEDDUTIS
PRPOV^BEDDUTIU	BEDDUTIS
PRV^BEDDUTIU	BEDDUTIS
\$\$NEW^BEDDUTW	BEDDUTIL
\$\$RMLST^BEDDUTW	BEDDRPT
BEDDED^BEDDUTW	BEDDUTIL
EDSYS^BEDDUTW	BEDDUTIL
RMAV^BEDDUTW	BEDDUTIL
RMRMV^BEDDUTW	BEDDUTIS , BEDDUTW
SAVEDX^BEDDUTW	BEDDUTID
UPPRV^BEDDUTW	BEDDUTIL
\$\$UPDATE^BGOUTL	BEDDPOV
GETSUBSC^CIANBEVT	BEDDEHR
QUEUE^CIANBEVT	BEDDEHR
\$\$HASKEY^CIAVCXUS	BEDDPREF
DEVICE^CIAVUTIO	BEDDUTIU
SETLOG1^DGSEC	BEDDUTIL
^DIC	BEDD2P01 , BEDDUTID , BEDDUTIL , BEDDUTIU
IX^DIC	BEDD2P01
FILE^DICN	BEDDUTID , BEDDUTIS , BEDDUTIU
^DIE	BEDDUTIS
FILE^DIE	BEDD2PST , BEDDPOV , BEDDUTID , BEDDUTIS
\$\$IENS^DILF	BEDDUTID , BEDDUTIS , BEDDUTIU
\$\$GET1^DIQ	BEDD2PST , BEDDEHRS , BEDDGET , BEDDMREC , BEDDPOV , BEDDRPT BEDDSYNC , BEDDTRPT , BEDDUTID , BEDDUTIL , BEDDUTIS , BEDDUTIU
	BEDDUTL1 , BEDDUTW
^DIR	BEDDMREC
\$\$ICDDX^ICDCODE	BEDDPOV
\$\$ICDDX^ICDEX	BEDDPOV
\$\$IMP^ICDEXA	BEDDUTID
LOOK^LEXA	BEDDPOV
CONFIG^LEXSET	BEDDPOV
\$\$MAIN^TIULADR	BEDDUTIL
\$\$LIST^TIULMED	BEDDMREC
\$\$DT^XLFDI	BEDDPOV , BEDDUTIL , BEDDUTIS , BEDDUTIU
\$\$FMTE^XLFDI	BEDDRPT , BEDDUTIL , BEDDUTL1 , BEDDUTW
\$\$FMTH^XLFDI	BEDDUTIL , BEDDUTW
\$\$HDIFF^XLFDI	BEDDRPT , BEDDUTIL
\$\$HTE^XLFDI	BEDDRPT , BEDDUTID
\$\$HTFM^XLFDI	BEDDRPT , BEDDUTIU , BEDDUTW
\$\$CJ^XLFSTR	BEDD2ENV
\$\$VERSION^XPDUTL	BEDD1E1 , BEDDUTID
BMES^XPDUTL	BEDD1E1 , BEDD2ENV , BEDD2P01
MES^XPDUTL	BEDD2ENV
DUZ^XUP	BEDDPOV , BEDDUTID , BEDDUTIS , BEDDUTIU
\$\$CHECKAV^XUS	BEDDUTIL

***** END *****

9.2 Callable Routines

9.2.1 KIDS – Callable Entry Points

Table 9-1: KIDS Callable Entry Points

Routine Called	Description
EN^BEDDEHRS	Front end to print patient routing slip
EN^BEDDMREC	Front end to patient medication reconciliation report
EN^BEDDTRPT	Front end for the patient triage report
LOGSEC^BEDDUTIL	Updates an entry in the DG SECURITY LOG (#38.1) file
NEW^BEDDUTIL	Admits a patient to the EDD
POV^BEDDUTIU	Log ER VISIT Provider entries in the V POV (#9000010.07) file
PRPOV^BEDDUTIU	Log ER Procedure provides entries in the V PROVIDER (#9000010.06) file
PRV^BEDDUTIU	Log ER VISIT Provider entries in the V PROVIDER (#9000010.06) file
SPOV^BEDDUTIU	Log the specified purpose of visit in V POV (#9000010.07) file
SPRV^BEDDUTIU	Log the specified provider in the V PROVIDER (#9000010.06) file

9.3 XML - Callable Entry Points

Table 9-2: XML Callable Entry Points

Routine Called	Description
CHKDATA^BEDDUTW	Save primary provider and assigned provider
CHKLK^BEDDUTW	Check and unlock record, if needed
CONSQRY^BEDDUTIS	Perform query to gather EDD consults for a visit
DISCH^BEDDUTW	Update discharge information from RPMS
DCUPDATE^BEDDUTIS	Discharge a Reversed DC

Routine Called	Description
DIAGQ^BEDDUTIS	Perform query to gather EDD diagnosis entries for a visit
DLST^BEDDUTW	Assemble list of discharges for date ranges
EDSYS^BEDDUTW	Load system variables for AMER admission
GSITE^BEDDUTW	Retrieve individual site info
PROCQ^BEDDUTIS	Perform query to gather EDD procedures for a visit
RMAV^BEDDUTW	Check room availability
RMRMV^BEDDUTW	Make patient's room unoccupied
SAVEDX^BEDDUTW	Save the diagnosis information into the class
SINIT^BEDDUTW	Initialize the site settings
UNLK^BEDDUTW	Unlock all records
UPPRV^BEDDUTW	Save the primary provider
VERENTRY^BEDDUTIS	Create V EMERGENCY VISIT RECORD entry

9.4 Published Entry Points

There are no published entry points in the BEDD package.

9.5 Exported Options

There are no exported options included with the BEDD package.

10.0 Internal Relations

All functions within this application work independently. There are no documented internal relations in the BEDD package.

11.0 Archiving and Purging

There is no archiving or purging in the BEDD package.

12.0 Documentation Resources

The BEDD package is not a part of RPMS and does not utilize its own menus, or FileMan data structures.

13.0 SAC Requirements and Exemptions

There are no SAC exemptions required for the BEDD package.

Glossary

ICD Codes

One of several code sets used by the healthcare industry to standardize data. The International Classification of Disease (ICD) codes are an international diagnostic coding scheme. In addition to diseases, ICD also includes several families of terms for medical-specialty diagnoses, health status, disablements, procedures, and reasons for contact with HCPs. IHS currently uses ICD-9 for coding.

Office of Information Technology (OIT)

The organization within IHS that is responsible for developing and maintaining RPMS and related IT functions.

Purpose of Visit (POV)

In RPMS, ICD codes and narrative describing the patient's purpose of visit are documented in PCC V POV.

Resource and Patient Management System (RPMS)

A series of integrated software components that includes clinical, administrative, and financial functions.

RPMS Patient Care Component (PCC)

Refers to functions within RPMS as a clinical data repository, storing visit-related data about a patient.

Acronym List

Acronym	Term Definition
APCD	PCC Data Entry
CSP	Cache Server Page
DI	VA FileMan
EDD	Emergency Department Dashboard
EHR	Electronic Health Record
ERS	Emergency Room System
ICD	International Classification of Disease
IHS	Indian Health Service
IIS	Internet Information Services
KIDS	Kernel Installation and Distribution System
OIT	Office of Information Technology
RPMS	Resource and Patient Management System

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/>

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