



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **IHS Emergency Department Dashboard**

(BEDD)

## **Technical Manual**

Version 2.0  
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# Table of Contents

<b>1.0</b>	<b>Introduction.....</b>	<b>1</b>
<b>2.0</b>	<b>Orientation .....</b>	<b>2</b>
<b>3.0</b>	<b>Implementation and Maintenance .....</b>	<b>3</b>
3.1	General Information .....	3
3.2	System Requirements .....	3
3.3	Package-wide Variables .....	3
3.4	Security Keys.....	3
3.5	Parameters .....	4
<b>4.0</b>	<b>BEDD Menu .....</b>	<b>5</b>
<b>5.0</b>	<b>Routine Descriptions .....</b>	<b>6</b>
5.1	KIDS .....	6
5.1.1	Routine List.....	6
5.1.2	Routines with Description .....	6
5.1.3	Function List .....	7
5.2	Returns the current external date and time.XML .....	13
5.2.1	Routine List.....	13
5.2.2	Routines with Description .....	13
5.2.3	Function List .....	14
<b>6.0</b>	<b>Classes.....</b>	<b>16</b>
6.1	List of Emergency Department Dashboard Classes .....	16
6.2	Method List – BEDD Package .....	17
6.2.1	BEDD.EDConsults.GetName .....	17
6.2.2	BEDD.EDConsults.GetChart .....	17
6.2.3	BEDD.EDConsults.GetAge .....	17
6.2.4	BEDD.EDConsults.GetSex.....	17
6.2.5	BEDD.EDConsults.GetCIDt.....	17
6.2.6	BEDD.EDConsults.GetCITm .....	17
6.2.7	BEDD.EDConsults.CmbDt .....	17
6.2.8	BEDD.EDConsults.CmbNotify .....	17
6.2.9	BEDD.EDConsults.GetDOB .....	17
6.2.10	BEDD.EDConsults.GetCNS .....	17
6.2.11	BEDD.EDConsults.GetCN.....	17
6.2.12	BEDD.EDProc.GetName.....	18
6.2.13	BEDD.EDProc.GetStfN .....	18
6.2.14	BEDD.EDProc.GetChart.....	18
6.2.15	BEDD.EDProc.GetAge .....	18
6.2.16	BEDD.EDProc.GetSex .....	18
6.2.17	BEDD.EDProc.GetCIDt .....	18
6.2.18	BEDD.EDProc.CalcTime .....	18

6.2.19	BEDD.EDProc.GetCITm.....	18
6.2.20	BEDD.EDProc.CmbDt.....	18
6.2.21	BEDD.EDProc.CmbDtT.....	18
6.2.22	BEDD.EDProc.GetDOB.....	18
6.2.23	BEDD.EDProc.GetProcN.....	18
6.2.24	BEDD.EDSYSTEM.GetName.....	19
6.2.25	BEDD.EDSYSTEM.GetPName.....	19
6.2.26	BEDD.EDVISIT.GetName.....	19
6.2.27	BEDD.EDVISIT.GetProvN.....	19
6.2.28	BEDD.EDVISIT.GetDispN.....	19
6.2.29	BEDD.EDVISIT.GetInjC.....	19
6.2.30	BEDD.EDVISIT.GetInjS.....	19
6.2.31	BEDD.EDVISIT.GetPtComplaint.....	19
6.2.32	BEDD.EDVISIT.GetPtStat.....	19
6.2.33	BEDD.EDVISIT.GetCIDt.....	19
6.2.34	BEDD.EDVISIT.GetCITm.....	19
6.2.35	BEDD.EDVISIT.GetTrgA.....	19
6.2.36	BEDD.EDVISIT.GetTrgDt.....	20
6.2.37	BEDD.EDVISIT.GetTrgDtTm.....	20
6.2.38	BEDD.EDVISIT.GetAdPvDtm.....	20
6.2.39	BEDD.EDVISIT.GetAM.....	20
6.2.40	BEDD.EDVISIT.GetTrgTm.....	20
6.2.41	BEDD.EDVISIT.GetTrgN.....	20
6.2.42	BEDD.EDVISIT.GetTrgC.....	20
6.2.43	BEDD.EDVISIT.GetDisp.....	20
6.2.44	BEDD.EDVISIT.GetDCN.....	20
6.2.45	BEDD.EDVISIT.GetDCP.....	20
6.2.46	BEDD.EDVISIT.GetDCDtTm.....	20
6.2.47	BEDD.EDVISIT.GetDCDt.....	20
6.2.48	BEDD.EDVISIT.GetDCTm.....	21
6.2.49	BEDD.EDVISIT.GetCln.....	21
6.2.50	BEDD.EDVISIT.GetERCC.....	21
6.2.51	BEDD.EDVISIT.CmbDt.....	21
6.2.52	BEDD.EDVISIT.GetDC.....	21
6.2.53	BEDD.EDVISIT.GetPrimN.....	21
6.2.54	BEDD.EDVISIT.GetICDN.....	21
6.2.55	BEDD.EDVISIT.GetAdmPrv.....	21
6.2.56	BEDD.EDVISIT.GetSex.....	21
6.2.57	BEDD.EDVISIT.GetDOB.....	21
6.2.58	BEDD.EDVISIT.GetAge.....	21
6.2.59	BEDD.EDVISIT.GetChart.....	21
6.2.60	BEDD.EDVISIT.GetWtg.....	22
6.2.61	BEDD.EDVISIT.GetPtStatN.....	22
6.2.62	BEDD.EDVISIT.GetVD.....	22
6.2.63	BEDD.EDVISIT.GetInstN.....	22

6.2.64	BEDD.EDVISIT.GetInd.....	22
6.2.65	BEDD.EDVISIT.GetOcc .....	22
6.2.66	BEDD.EDVISIT.GetFinA .....	22
<b>7.0</b>	<b>Cache Server Page (CSP) Files .....</b>	<b>23</b>
7.1	List of EDD Cache Server Pages.....	23
<b>8.0</b>	<b>Files and Tables.....</b>	<b>24</b>
8.1	File List .....	24
8.2	File Access .....	24
8.3	Cross References .....	24
8.4	Table File.....	24
8.5	File Diagram or Flowchart.....	24
<b>9.0</b>	<b>External Relations .....</b>	<b>25</b>
9.1	External Calls .....	25
9.2	Callable Routines.....	26
9.2.1	KIDS – Callable Entry Points.....	26
9.3	XML - Callable Entry Points.....	27
9.4	Published Entry Points.....	27
9.5	Exported Options .....	27
<b>10.0</b>	<b>Internal Relations .....</b>	<b>28</b>
<b>11.0</b>	<b>Archiving and Purging .....</b>	<b>29</b>
<b>12.0</b>	<b>Documentation Resources .....</b>	<b>30</b>
<b>13.0</b>	<b>SAC Requirements and Exemptions .....</b>	<b>31</b>
	<b>Glossary.....</b>	<b>32</b>
	<b>Acronym List .....</b>	<b>33</b>
	<b>Contact Information .....</b>	<b>34</b>

## 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 or 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.

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 6 must first be installed. After this patch is installed, the “BEDD DASHBOARD 2.0” Kernel Installation and Distribution System (KIDS) package and the “BEDD0200.xml” builds can be installed. See the *Installation Manual* 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.

Package and Version	Associated Patch Designation(s)	Brief Patch Description
AMER VERSION 3.0	Patch 6	Update of AMER package to support EDD
IHS EMERGENCY DEPT DASHBOARD (BEDD)	Version 1.0	The original version 1.0 release (both KIDS and XML builds)

### 3.2 System Requirements

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

Module	Minimum Version
VA FileMan (DI)	v22.0 Patch 1003
VA Kernel (XU)	v8.0 Patch 1009
VA FileMan	v22 Patch 1003
AMER	v3.0 Patch 6
PCC Data Entry (APCD)	v2.0 through Patch 11
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:

Key Name	Description
BEDDZMGR	Users holding this key are allowed manager access to the EDD application



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Key Name	Description
BEDDZDASH	Users holding this key are allowed user access to the EDD application

### 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.

BEDD2PST    BEDDEHR    BEDDEHRS    BEDDENV    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.

Routine	Description
BEDD2PST	Version 2.0 post installation routine
BEDDEHR	Contains code to change the EHR patient and visit
BEDDEHRS	Patient routing slip generator
BEDDENV	Version 2.0 environmental checking routine
BEDDINJ	Patient injury handling routine
BEDDMREC	Patient medication reconciliation report
BEDDPOV	Purpose of visit handling routine
BEDDSYNC	Routine to synchronize BEDD with AMER
BEDDTRPT	BEDD EDD triage report
BEDDUTID	Contains functions which integrate the dashboard with RPMS
BEDDUTIF	Print formatting – currently not utilized but included for future use
BEDDUTIL	Contains additional functions which integrate the dashboard with RPMS
BEDDUTIU	Contains additional functions which integrate the dashboard with RPMS
BEDDUTL1	Decision to admit date handling

### 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 **\$\$ADMMOT^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****5.1.3.28 Returns a list of RPMS devices.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 \$\$EMV^BEDDUTID**

Returns the V EMERGENCY VISIT RECORD entry.

**5.1.3.39 EN^BEDDEHRS**

Prints patient routing slip.

**5.1.3.40 EN^BEDDMREC**

Prints patient medication reconciliation.

**5.1.3.41 \$\$ESAVE^BEDDUTID**

Performs dashboard board edit page save.

**5.1.3.42 \$\$FM2HD^BEDDUTIL**

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

**5.1.3.43 \$\$FM2HT^BEDDUTIL**

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

**5.1.3.44 \$\$FMTE^BEDDUTIL**

Convert FileMan date and time to external date and time.

**5.1.3.45 \$\$FNOW^BEDDUTIL**

Returns the current FileMan date and time.

**5.1.3.46 \$\$GETCC^BEDDUTIL**

Returns the chief complaint for the patient for the visit.

**5.1.3.47 \$\$GETF^BEDDUTIL**

Returns the specified FileMan field and file value.

**5.1.3.48 \$\$GETOSTAT^BEDDUTIL**

Get order summary by package type.

**5.1.3.49 \$\$HTIME^BEDDUTID**

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

**5.1.3.50 ICAU^BEDDUTIU**

Returns a list of injury causes.

**5.1.3.51 INJURY^BEDDINJ**

Returns injury related information.

**5.1.3.52 INST^BEDDUTID**

Returns list of follow-up instructions.

**5.1.3.53 \$\$KEYCK^BEDDUTID**

Returns if the user has the BEDDZMGR key.

**5.1.3.54 \$\$MDTRN^BEDDUTID**

Updates the MODE OF TRANSPORT for a patient visit.

**5.1.3.55 \$\$MINWTG^BEDDUTIL**

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

**5.1.3.56 MTRN^BEDDUTIU**

Returns a mode of transport list values.

**5.1.3.57 \$\$NARR^BEDDUTIU**

Returns the internal entry number for the provider narrative.

**5.1.3.58 \$\$PLCHLD^BEDDUTID**

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

**5.1.3.59 \$\$PPR^BEDDUTIL**

Returns the primary provider.

**5.1.3.60 \$\$PRIMDX^BEDDUTID**

Retrieves/Saves the primary ICD-9 code.



**5.1.3.61 PROC^BEDDUTID**

Returns an array of EDD procedures for a patient.

**5.1.3.62 PROC^BEDDUTIU**

Returns a list of EDD procedures.

**5.1.3.63 PROV^BEDDUTID**

Returns list of providers.

**5.1.3.64 \$\$PTALG^BEDDUTIL**

Returns the allergies for a patient.

**5.1.3.65 \$\$PTPCP^BEDDUTIL**

Returns a patient's primary care provider.

**5.1.3.66 SAFE^BEDDUTIU**

Returns a list of safety measures.

**5.1.3.67 SCEN^BEDDUTIU**

Returns a list of injury settings.

**5.1.3.68 \$\$SCLN^BEDDUTID**

Returns converted clinic internal entry number.

**5.1.3.69 SITE^BEDDUTIL**

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

**5.1.3.70 \$\$SNAME^BEDDUTIL**

Returns the file site name of the specified entry.

**5.1.3.71 TFRM^BEDDUTIU**

Returns a list of Transfer From values.

**5.1.3.72 \$\$TODLH^BEDDUTIL**

Converts external date to \$H format.

**5.1.3.73 \$\$TRGUPD^BEDDUTIL**

Updates visit triage information.

**5.1.3.74 TRNF^BEDDUTID**

Returns list of transfer facilities.

**5.1.3.75 \$\$UPPER^BEDDUTID**

Convert string to uppercase.

**5.1.3.76 VTYP^BEDDUTIU**

Returns a list of EDD visit types.

**5.1.3.77 \$\$XCLIN^BEDDUTIL**

Returns the external clinic value.

**5.1.3.78 \$\$XDATE^BEDDUTID****5.1.3.79 Converts external date and time to FileMan date and time.\$\$XNOW^BEDDUTIL****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.

BEDD2XML BEDDRPT BEDDUTIS BEDDUTW

**5.2.2 Routines with Description**

This routine list describes each routine in this version.

<b>Routine</b>	<b>Description</b>
BEDD2XML	Routine stub to verify that version 2.0 XML build was loaded
BEDDRPT	Generates EDD reports
BEDDUTIS	Discharge from BEDD and AMER
BEDDUTW	Various room and bed management functions

## 5.2.3 Function List

### 5.2.3.1 **BEDDED^BEDDUTW**

Return EDD information for a visit.

### 5.2.3.2 **\$\$DC^BEDDUTIS**

Discharges the patient from the AMER and EDD.

### 5.2.3.3 **\$\$DPCP^BEDDUTW**

Return the PtDFN field value.

### 5.2.3.4 **\$\$DSPINFO^BEDDUTW**

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

### 5.2.3.5 **\$\$DT^BEDDUTIS**

Calculates the difference between two times.

### 5.2.3.6 **\$\$DXCNT^BEDDUTIS**

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

### 5.2.3.7 **\$\$EDCNT^BEDDUTIS**

Get a count of EDD consults for a patient visit.

### 5.2.3.8 **EDSYS^BEDDUTW**

Load BEDD system variables.

### 5.2.3.9 **\$\$FNDDX^BEDDUTW**

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

### 5.2.3.10 **LKLST^BEDDUTW**

Returns a list of locked entries on the EDD.

### 5.2.3.11 **LOADSYS^BEDDUTW**

Returns a list of EDD system values.

**5.2.3.12 \$\$NEW^BEDDUTW**

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

**5.2.3.13 \$\$PRCNT^BEDDUTIS****5.2.3.14 Get a count of EDD procedures for a patient visit.RMAV^BEDDUTW**

Check room availability

**5.2.3.15 \$\$RMCHK^BEDDUTW**

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

**5.2.3.16 \$\$RMLST^BEDDUTW**

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

**5.2.3.17 SAVEDX^BEDDUTW****5.2.3.18 Saves the diagnosis information into the Cache class.UPPRV^BEDDUTW**

Save the primary provider.

## 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.

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.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.GetPtStat**  
Returns the patient status (check-in, triage, in room, pending).
- 6.2.33** **BEDD.EDVISIT.GetCIDt**  
Returns the patient check in date.
- 6.2.34** **BEDD.EDVISIT.GetCITm**  
Returns the patient check in time.
- 6.2.35** **BEDD.EDVISIT.GetTrgA**  
Returns the visit triage acuity.



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

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

- 6.2.60 **BEDD.EDVISIT.GetWtg**  
Returns the visit wait time based on their status.
- 6.2.61 **BEDD.EDVISIT.GetPtStatN**  
Returns the visit external status.
- 6.2.62 **BEDD.EDVISIT.GetVD**  
Returns the total visit duration.
- 6.2.63 **BEDD.EDVISIT.GetInstN**  
Returns the followup instructions.
- 6.2.64 **BEDD.EDVISIT.GetInd**  
Returns the industry – not implemented.
- 6.2.65 **BEDD.EDVISIT.GetOcc**  
Returns the occupation – not implemented.
- 6.2.66 **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.

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	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
^APCDALVR	BEDDPOV
\$\$AGE^AUPNPAT	BEDDUTID
\$\$IMP^AUPNSICD	BEDDPOV
MOD^AUPNVSIT	BEDDINJ, BEDDPOV, BEDDSYNC, BEDDUTID
\$\$ICDDX^AUPNVUTL	BEDDPOV, BEDDUTID
\$\$UPDATE^BGOUTL	BEDDPOV
GETSUBSC^CIANBEVT	BEDDEHR
QUEUE^CIANBEVT	BEDDEHR
DEVICE^CIAVUTIO	BEDDUTIU
SETLOG1^DGSEC	BEDDUTIL
^DIC	BEDDUTID, BEDDUTIL, BEDDUTIU
FILE^DICN	BEDDUTID, BEDDUTIS, BEDDUTIU
^DIE	BEDDUTIS
FILE^DIE	BEDD2PST, BEDDPOV, BEDDUTID, BEDDUTIS
\$\$IENS^DILF	BEDDUTID, BEDDUTIS, BEDDUTIU
\$\$GET1^DIQ	BEDD2PST, BEDDEHRS, 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^XLFDT	BEDDPOV, BEDDUTIL, BEDDUTIS, BEDDUTIU
\$\$FMTE^XLFDT	BEDDRPT, BEDDUTIL, BEDDUTL1, BEDDUTW
\$\$FMTH^XLFDT	BEDDUTIL, BEDDUTW
\$\$HDIFF^XLFDT	BEDDRPT, BEDDUTIL
\$\$HTE^XLFDT	BEDDRPT, BEDDUTID
\$\$HTFM^XLFDT	BEDDRPT, BEDDUTIU, BEDDUTW
\$\$CJ^XLFSTR	BEDD2ENV
\$\$VERSION^XPDUTL	BEDD1E1, BEDDUTID
EMES^XPDUTL	BEDD1E1, BEDD2ENV
MES^XPDUTL	BEDD2ENV
DUZ^XUP	BEDDPOV, BEDDUTID, BEDDUTIS, BEDDUTIU
\$\$CHECKAV^XUS	BEDDUTIL

## 9.2 Callable Routines

### 9.2.1 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 providers 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

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
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 Meaning
APCD	PCC Data Entry
CSP	Cache Server Page
DI	VA FileMan
EDD	Emergency Room Dashboard
EHR	Electronic Health Record
ERS	Emergency Room System
ICD	International Classification of Diseases
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/>

**Email:** [support@ihs.gov](mailto:support@ihs.gov)