



## RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **Dental/EDR Interface**

# (BADE)

# **Installation Guide & Release Notes**

Version 1.0 February 2010

Office of Information Technology (OIT) Division of Information Resource Management Albuquerque, New Mexico

# **DOCUMENT REVISION HISTORY**

Date of Change	Location of Revision	Revision
05/2009		First published
06/2009		Updated with currently installation sample and other corrections
2/2010		Updated to BADE t6k Build

# Table of Contents

1.0	Releas	e Notes	2
2.0	Installa	ation Notes	3
	2.1	General Information	
	2.2	Contents of Distribution	3
	2.3	Required Resources	3
3.0	Installa	ation Instructions	4
	3.1	Pre-Installation	4
	3.2	Installation	4
	3.3	Set Up Post-Installation HL7	4
	3.3.1	Edit Logical Links	4
	3.3.2	HLO System Parameters File (779.1)	6
	3.3.3	Set Up the HLO Application	7
	3.3.4	Set Up the HLO PROCESS REGISTRY File (779.3)	8
	3.4	Assign Security Keys	9
	3.5	Set Up the Parameters	9
	3.5.1	TCT–Pt Count for Throttle Action (BADE EDR THROTTLE C	T)10
	3.5.2	THR–Throttle Patient Upload (BADE EDR PT THROTTLE)	10
	3.5.3	PUP–Pause Patient Load (BADE EDR PAUSE PATIENT	
		LOAD)	10
	3.5.4	PPV–Pause Provider Upload (BADE EDR PAUSE PROV	
	_	UPLOAD)	11
	3.5.5	CLN–Default Clinic for Interface (BADE EDR DEFAULT	
		CLINIC)	11
	3.5.6	DEFI Default Time for Dental Visit (BADE EDR DEFAULT	
	0.0	TIME)	12
	3.6	Mail Group	12
4.0	Sample	e Installation	13
	4.1	Select Kernel Installation and Distribution System Option:	40
	4.0	Installation	13
	4.Z	Luau a Distribution	14 1 1
	4.3	VEIIIY OHECKSUIIIS	14
	4.4 1 E	Charley Charles	CI
	4.0		10
5.0	Contac	ct Information	17

# LIST OF FIGURES

Figure 4-1: Post-Installation HL7 4	
Figure 4-2: Edit Link	
Figure 4-3: DNS Domain	
Figure 4-4: IP Address and Port	
Figure 4-5: Example for Test Server	)
Figure 4-6: Standard Port for Test Server	ļ
Figure 4-7: HLO System Parameters File7	
Figure 4-8: HLO Application Setup7	
Figure 4-9: RPMS-DEN in KIDS Build 8	
Figure 4-10: HLO PROCESS REGISTRY File Setup 8	
Figure 4-16: Main Menu	1
Figure 4-17: Upload Menu9	
Figure 4-18: Dental Interface Management Menu 10	
Figure 4-19: Pt Count for Throttle Action 10	
Figure 4-20: Throttle Patient Upload 10	
Figure 4-21: Pause Patient Load 11	
Figure 4-22: Pause Provider Upload 11	
Figure 4-23: Default Clinic for Interface 11	
Figure 4-24: DEFT Default Time for Dental Visit 12	,
Figure 4-25: RPMS DENTAL Mail Group 12	,
Figure 5-1: Installation Options 13	
Figure 5-2: Kernel Installation and Distribution System Option 13	
Figure 5-3: Loading a Distribution14	
Figure 5-4: Verify Checksums in Transport Global14	
Figure 5-5: Installation Option Install Package16	1

# Preface

This manual provides information regarding the release and installation of the Dental/EDR (Electronic Dental Record) Interface package enabling the set up and running of the interface.

# 1.0 Release Notes

The Dental/EDR interface is the way to send data bi-directionally from the Electronic Dental Record (EDR) to the Resource and Patient Management System (RPMS). The EDR was designed to meet the needs of the dental program. The interface is used to send patient and provider data from RPMS to the EDR for accuracy of patient records. Dental procedure information is sent back to populate and complete patient records in Patient Care Component (PCC).

This installation is the first phase in sending data between the two systems. This version of the software includes:

- An initial upload of all living patients to the EDR.
- An initial upload of all dentists to the EDR.
- Sending in real time new patient registrations.
- Sending in real time patient updates.
- Sending in real time dental provider additions and updates.
- Receiving in real time dental procedure information for the V DENTAL file.
- Installation sets the Registration Trigger in the PROTOCOL file to an inactivated state. After the Initial Patient Upload and the Provider Upload is completed, the BADE Protocols must be activated to support normal registration activity. See the EDR GOBY directions for further details.
- Although this RPMS BADE application was designed to be fully operational without the use of the Ensemble Integration Engine for the transport of EDR HL7 messages, BADE has only been verified and released to use with the EIE component.

Since the interface uses the HLO options, which are part of the HL7 version 1.6 application, the user must be familiar with the following documents:

 VistA HL7 – Optimized (HLO) Installation Manual /Release Notes (hl\_1\_6\_126\_ig.pdf).

• VistA HL7 – Optimized (HLO) Technical Manual (hl\_1\_6\_126\_tm.pdf). These manuals help the user navigate the HLO menus and options, and may be found at http://www.va.gov/vdl.

## 2.0 Installation Notes

- Prefix: BADE
- Current Version: 1.0
- Warning: Read entire notes file prior to attempting any installation

#### 2.1 General Information

- Make a copy of this distribution for offline storage.
- Print all notes and readme files.
- Capture the terminal output during the installation using an auxport printer attached to the terminal at which you are performing the software installation. This will insure a printed audit trail should any problems arise.

## 2.2 Contents of Distribution

- bade0100.k KIDS file
- bade010i.pdf– Installation guide and Release notes
- bade010t.pdf Technical manual
- bade010u.pdf User manual

## 2.3 Required Resources

- Kernel v8.0 patch 1015 or higher
- FileMan v22 patch 1002 or higher
- Ensemble v2009.1.2 or later
- XB/ZIB Utilities Version 3.0 patch 11 or later
- HL7 Version 1.6 patch 1006 or later
- AG\_0710 Patch 5 or later
- AVA 93.2 patch 19 or later
- IHS PCC SUITE version 2.0 or later

## 3.0 Installation Instructions

#### 3.1 Pre-Installation

There is no pre-installation preparation necessary for the Dental/EDR Interface package.

#### 3.2 Installation

- Under KIDS, load then install bade0100.k
- Answer YES to all "Want to continue installing this build?" questions
- Answer YES to the menu rebuild
- Answer NO to the other questions

### 3.3 Set Up Post-Installation HL7

This setup is ONLY for sites running Ensemble (Figure 4-1). For any other system, see the VistA HL7–Optimized (HLO) Installation Manual/Release Notes (hl\_1\_6\_126\_ig.pdf) document for further instructions on HLO setup.

```
Event monitoring menu ...
Systems Link Monitor
Filer and Link Management Options ...
Message Management Options ...
Interface Developer Options ...
Site Parameter Edit
HLO HL7 (Optimized) MAIN MENU ...
```

Figure 4-1: Post-Installation HL7

The HL7 main menu should look like the menu above. If the HLO menu is not there, the site is missing HL patch 1006.

#### 3.3.1 Edit Logical Links

In Figure 4-2, choose the interface Developer Options and then type EL (Edit Link).

```
EA Application Edit
EP Protocol Edit
EL Link Edit
VI Validate Interfaces
Reports ...
```

#### Figure 4-2: Edit Link

#### 3.3.1.1 The OUTBOUND LINK

The outbound link was included in the KIDS build. The site must enter its own DNS DOMAIN in Figure 4-3, and click the LLP TYPE to proceed to the next screen.

Cache TRM:3108		
File Edit Help		
	HLT	7 LOGICAL LINK
1	NODE: DEMIRIN	<u> </u>
INSTITU	TION:	
WATLWAN DO	MATN.	
MAILMAN DO.	MAIN:	
AUTOS	TART:	
OUEUE	SIZE: 10	
LLP	TYPE: TCP	
DNS DO	MAIN:	
COMMAND:		Press <pf1>H for help Insert 💌</pf1>

Figure 4-3: DNS Domain

Figure 4-4 is an EXAMPLE ONLY. Sites must fill in the IP address and port where the messages are being sent.

Cache TRM:3108	_ 뭔 ×
File Edit Help	
HL7 LOGICAL LINK	<u> </u>
TCP LOWER LEVEL PARAMETERS- DENTRIX TCP/IP SERVICE TYPE: CLIENT (SENDER) TCP/IP ADDRESS: 127.0.0.1	
TCP/IP PORT: TCP/IP PORT (OPTIMIZED): 7201	
ACK TIMEOUT: RE-TRANSMISION ATTEMPTS:	
READ TIMEOUT: EXCEED RE-TRANSMIT ACTION:	
BLOCK SIZE: SAY HELO:	
STARTUP NODE: PERSISTENT:	
RETENTION: UNI-DIRECTIONAL WAIT:	
COMMAND. Press (PF1)H for bel	
CONNAND: Press <pri>n for her</pri>	p metalate
Figure 4.4.1D Address and Part	

Figure 4-4: IP Address and Port

#### 3.3.1.2 The INBOUND LINK

HLO has only one inbound link for ALL applications. If the site is using E-prescribing, this link is already configured. The name of this link is HLO RPMS.

Set up the site DNS DOMAIN and click LLP TYPE.

Figure 4-5 is an example for a test server:

Cache TRM:3108						_ 8 ×
File Edit Help						
	HL	7 LOGICAL	LINK			<u> </u>
	NODE: HLO RP	MS				
INSTI	TUTION:					
MAILMAN 1	DOMAIN:					
AUT	OSTART:					
QUEU	E SIZE: 10					
LLI	P TYPE: TCP					
DNS	DOMAIN:					
COMMAND:			Pres	s <pf1>H</pf1>	for help	Insert 🔽

Figure 4-5: Example for Test Server

The standard port for this is set to 5001 for production servers and 5026 for test servers (Figure 4-6). Use caution when changing this port.

Cache TRM:3108		_ 8 ×
File Edit Help		
	HL7 LOGICAL LINK	
	TCP LOWER LEVEL PARAMETERS	
TCP/IP SERVICE T TCP/IP ADDF TCP/IP F	TYPE: MULTI LISTENER VESS:	
TCP/IP F	PORT (OPTIMIZED): 5026	
ACK TIMEOUT:	RE-TRANSMISION ATTEMPTS:	
BLOCK SIZE:	EXCEED RE-TRANSMIT ACTION. SAY HELO:	
STARTUP NODE:	PERSISTENT:	
RETENTION:	UNI-DIRECTIONAL WAIT:	
COMMAND :	Press <pf1>H for help</pf1>	Insert 🔻

Figure 4-6: Standard Port for Test Server

## 3.3.2 HLO System Parameters File (779.1)

- Check and edit the HLO SYSTEM PARAMETERS file in FileMan.
- Make sure the site's domain and station number are correct.
- Turn HLO off.

• Enter HLO RPMS as the standard listener.

Figure 4-7 shows an example of these settings:

```
Select HLO SYSTEM PARAMETERS DOMAIN NAME: HL7.DEMO.EDR.COM
DOMAIN NAME: HL7.DEMO.EDR.COM Replace
STATION NUMBER: 808701//
PRODUCTION ID: production//
MAXIMUM STRING LENGTH: 512//
BUFFER SIZE FOR HL7 (BYTES): 15000//
BUFFER SIZE FOR USER (BYTES): 5000//
NORMAL MSG RETENTION (HOURS): 36//
BAD MESSAGE RETENTION (DAYS): 7//
HLO ON/OFF SWITCH: ?
   Set to 0 to turn off messaging and all HL7 processes.
   Choose from:
   0
        OFF
    1
         ON
HLO ON/OFF SWITCH: 0 OFF
HLO STANDARD LISTENER: HLO RPMS
```

Figure 4-7: HLO System Parameters File

#### 3.3.3 Set Up the HLO Application

- First select the HLO setup on the HL7 Main Menu.
- Next select APPS HLO Application Registry.

```
SM HLO SYSTEM MONITOR
MV HLO MESSAGE VIEWER
APPS HLO APPPLICATION REGISTRY
STAT HLO MESSAGE STATISTICS
```

Figure 4-8: HLO Application Setup

The application RPMS-DEN was included in the KIDS build. Review the application for any problems.

Select HLO APPLICATION REGISTRY APPLICATION NAME: RPMS-DEN APPLICATION NAME: RPMS-DEN// Package File Link: DENTAL// APPLICATION SPECIFIC LISTENER: RESPONSE LINK (OPTIONAL): DENTRIX DEFAULT PRIVATE IN-QUEUE: DENTRIX RPMS// DEFAULT ACTION TAG: ERR// DEFAULT ACTION ROUTINE: BADEHL1// BATCH PRIVATE IN-QUEUE: BATCH ACTION TAG: BATCH ACTION ROUTINE: Select HL7 MESSAGE TYPE: DFT// HL7 MESSAGE TYPE: DFT// HL7 EVENT: P03// PRIVATE IN-QUEUE: CHARGE RPMS// ACTION TAG: PROC// ACTION ROUTINE: BADEHL3// Select HL7 MESSAGE TYPE:



#### 3.3.4 Set Up the HLO PROCESS REGISTRY File (779.3)

- Set the ACTIVE Field (02) to YES, Figure 4-10.
- Set the DEDICATED LINK field (.14) to the site's listener link.

System Type	HLO Process Registry Entry
Cache on Open VMS	VMS TCP LISTENER
DSM on Open VMS	
Cache on NT	TASKMAN MULTI-LISTENER
Other M systems	
COTS interfaces unable to use a multi-	SINGLE LISTENER
listener	

```
Select HLO PROCESS REGISTRY PROCESS NAME: TASKMAN MULTI-LISTENER
PROCESS NAME: TASKMAN MULTI-LISTENER Replace
ACTIVE: YES//
MINIMUM ACTIVE PROCESSES: 1//
MAXIMUM ACTIVE PROCESSES: 1//
SCHEDULING FREQUENCY (minutes): 30//
DT/TM LAST STARTED OR STOPPED: FEB 3,2005@06:07:05
     11
HANG TIME (seconds): 0//
GET WORK FUNCTION (TAG): GETWORK//
GET WORK FUNCTION (ROUTINE): HLOSRVR//
DO WORK FUNCTION (TAG): DOWORKM//
DO WORK FUNCTION (ROUTINE): HLOSRVR//
MAX TRIES FINDING WORK: 9999//
PERSISTENT: NO//
DEDICATED LINK: HLO RPMS//
VMS TCP SERVICE: NO//
```

Installation Guide & Release Notes February 2010

Figure 4-10: HLO PROCESS REGISTRY File Setup

## 3.4 Assign Security Keys

Three security keys are available for interface users:

- BADEZMGR–Given to those who need access to both menus for the initial upload and the maintenance of the interface.
- BADEZUPL-Given to those who are doing the initial patient and provider upload.
- BADEZSN-Given to those responsible for sending or resending individual messages.

## 3.5 Set Up the Parameters

There are several site-configurable parameters available from the menus (Figure 4-16). The Main menu is locked with the BADEZMGR key.

```
Select OPTION NAME: BADE EDR MAIN MENU Dental Interface Main Menu
UPL Dental Interface Upload Menu ...
MAN Dental Interface Management ...
```

Figure 4-11: Main Menu

The Upload menu, Figure 4-17, is for the initial upload of patient and provider data, and is locked with the BADEZUPL key. The menu is listed below, including the parameters that must be reviewed. See the *RPMS-EDR User Manual* for a full description of how to use these options.

UAP Load all Patients PUP Pause Patient Load RUP Restart Patient Upload UPV Upload All Providers PPV Pause Provider Upload RPV Restart Provider Upload DSP Display Progress ERR List of patients with errors ERRP List of providers with errors TCT Pt Count for Throttle action THR Throttle Patient Upload

Figure 4-12: Upload Menu

Other parameters are on the Dental Interface Management Menu, shown in <u>Figure</u> <u>4-18</u>, which is locked with the BADEZSND key. The menu is below:

A28 Send a single A28 Message
A31 Send a single A31 Message
MFN Send an MFN Message
ACK Send an ACK
CLN Default Clinic for Interface
DEFT Default Time for Dental Visit
REP Reprocess an Inbound HL7 Message
RES Resend Outbound HL7 Message

Figure 4-13: Dental Interface Management Menu

#### 3.5.1 TCT–Pt Count for Throttle Action (BADE EDR THROTTLE CT)

This parameter on the Upload menu, shown in Figure 4-19, determines how many patients to process before the computer checks to see if it should stop or hold for a few seconds before continuing. The default value is set at ten. The maximum count is 1000.

Pt Count for Throttle Action --- Setting Patient Load Throttle Count for System: DEMO.EDR.COM ----Patient Load Throttle Ct: 10//

Figure 4-14: Pt Count for Throttle Action

#### 3.5.2 THR–Throttle Patient Upload (BADE EDR PT THROTTLE)

This parameter on the Upload menu, shown in <u>Figure 4-20</u>, controls the number of seconds the interface holds before it continues processing patients after the THROTTLE COUNT is met. The default value is zero. The maximum number is 20.

Throttle Patient Upload ----- Setting Patient Load Throttle for System: DEMO.EDR.COM ------Patient Load Throttle: 1//

Figure 4-15: Throttle Patient Upload

#### 3.5.3 PUP–Pause Patient Load (BADE EDR PAUSE PATIENT LOAD)

If this parameter located on the Upload menu, shown in <u>Figure 4-21</u>, is set to YES, the patient upload stops when the next THROTTLE COUNT is met. The default is set to YES until the initial upload is started. The patient load and restart options check this parameter, and if it is NO, they will not run assuming the load is already running.

Pause Patient Load ----- Setting Stop Dental Patient Load for System: DEMO.EDR.COM -----Pause Dental Patient Load: YES/

Figure 4-16: Pause Patient Load

# 3.5.4 PPV–Pause Provider Upload (BADE EDR PAUSE PROV UPLOAD)

If this parameter located on the Upload menu, shown in Figure 4-22, is set to YES, the provider upload stops after the next provider is processed. The default is set to YES until the initial upload is started. The provider load and restart options check this parameter, and if it is NO, they will not run assuming the load is already running.

```
Pause Provider Upload
----- Setting Stop Provider Load for System: DEMO.EDR.COM ------
Value: YES//
```

Figure 4-17: Pause Provider Upload

#### 3.5.5 CLN–Default Clinic for Interface (BADE EDR DEFAULT CLINIC)

This parameter located on the Manager menu, shown in <u>Figure 4-23</u>, enables sites wanting to see these visits in the EHR to set up a default dental clinic under which to store the visits. This default clinic is only be used if the clinic is not sent in the message.

```
Dental Interface hospital location may be set for the following:
    80 Division DIV [EDR]
    90 System SYS [DEMO.EDR.COM]
Enter selection: 90 System DEMO.EDR.COM
- Setting Dental Interface hospital location for System: DEMO.EDR.COM -
Hospital Location for Visit: DENTAL
    1 DENTAL
    2 DENTAL WALKIN
CHOOSE 1-2: 1 DENTAL
```

Figure 4-18: Default Clinic for Interface

#### 3.5.6 DEFT Default Time for Dental Visit (BADE EDR DEFAULT TIME)

This parameter located on the Manager menu, shown in <u>Figure 4-24</u>, enables sites to set a default time for visits coming from the EDR. The EDR Dental application does not pass a Visit Time in the HL7 DFT message. This parameter is used if the site wishes to have a default Visit time other than 12 noon. If nothing is entered, a default time of 12:00 noon is assigned to visits.

```
Default Time for Dental Visit
------ Setting Default visit time for System: DEMO.EDR.COM ------
DEFAULT TIME: 1138//
```

Figure 4-19: DEFT Default Time for Dental Visit

## 3.6 Mail Group

A new mail group named RPMS DENTAL, shown in Figure 4-25, is included in the KIDS build. This mail group receives notifications when there is an error in message processing. Be sure to set up this mail group and include as members those who would be fixing and reprocessing messages that contain errors.

```
Select MAIL GROUP NAME: RPMS DENTAL
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes// (Yes)
Include COMPUTED fields: (N/Y/R/B): NO// - No record number (IEN), no Computed
Fields
NAME: RPMS DENTAL TYPE: public
COORDINATOR: USER,ONE
MEMBER: USER,ONE
ORGANIZER: USER,ONE
```

Figure 4-20: RPMS DENTAL Mail Group

# 4.0 Sample Installation

This section includes sample installation steps. This is a new package with all new routines, so there should not be anything on the system to be backed up or compared.

Also, no options need to be taken out of service because the components to be added will not be directly added to any options. Be sure to do the menu rebuild, <u>Figure 5-1</u>, because several new menus and options are added.

```
Select Kernel Installation & Distribution System Option:
Edits and Distribution ...
Utilities ...
Installation ... <- Choose this one
```

Figure 5-1: Installation Options

### 4.1 Select Kernel Installation and Distribution System Option: Installation

Load a Distribution
 Verify Checksums in Transport Global
 Print Transport Global
 Compare Transport Global to Current System
 Backup a Transport Global
 Install Package(s)
 Restart Install of Package(s)
 Unload a Distribution

Figure 5-2: Kernel Installation and Distribution System Option

## 4.2 Load a Distribution

In Figure 5-3, load the distribution from wherever it resides on the server.

```
Select Installation Option: 1 Load a Distribution
Enter a Host File: c:\temp\bade0100.k
KIDS Distribution saved on May 22, 2009@13:19:36
Comment: IHS DENTRIX Interface v1.0
This Distribution contains Transport Globals for the following Package(s):
DENTAL/EDR INTERFACE 1.0
OK to continue with Load? NO// y YES
Distribution OK!
Want to Continue with Load? YES//
Loading Distribution...
Build DENTAL/EDR INTERFACE 1.0 has an Environment Check Routine
Want to RUN the Environment Check Routine? YES//
DENTAL/EDR INTERFACE 1.0
Will first run the Environment Check Routine, BADEEC01
Use INSTALL NAME: DENTAL/EDR INTERFACE 1.0 to install this Distribution.
```

Figure 5-3: Loading a Distribution

## 4.3 Verify Checksums

Select Item 2 (Figure 5-4) and verify Figure 5-5: Installation Option Install Package. Checksums are listed below.

```
    Load a Distribution
    Verify Checksums in Transport Global
    Print Transport Global
    Compare Transport Global to Current System
    Backup a Transport Global
    Install Package(s)

            Restart Install of Package(s)
            Unload a Distribution

    Select Installation Option: 2 Verify Checksums in Transport Global
```

Figure 5-4: Verify Checksums in Transport Global

#### 4.4 Install Package

Select Item 6 and install the package (Figure 5-5). There is an environment check and the package will not install if other patches are missing.

Select Installation Option: 6 Install Package(s) Select INSTALL NAME: DENTAL/EDR INTERFACE 1.0 Loaded from Distribution Loaded from Distribution 6/16/09@12:18:27 => IHS DENTRIX Interface v1.0 ;Created on May 22, 2009@13:19:36 This Distribution was loaded on Jun 16, 2009@12:18:27 with header of IHS DENTRIX Interface v1.0 ;Created on May 22, 2009@13:19:36 It consisted of the following Install(s): DENTRAL/EDR INTERFACE 1.0 Checking Install for Package DENTAL/EDR INTERFACE 1.0 Will first run the Environment Check Routine, BADEEC01 Install Questions for DENTAL/EDR INTERFACE 1.0 Incoming Files: 779.2 HLO APPLICATION REGISTRY (including data) Note: You already have the 'HLO APPLICATION REGISTRY' File. I will OVERWRITE your data with mine. Incoming Mail Groups: Enter the Coordinator for Mail Group 'RPMS DENTAL': USER, ONE OU CLINICAL COORDINATOR Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// NO Want KIDS to INHIBIT LOGONs during the install? YES// NO Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// 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// CONSOLE Install Started for DENTAL/EDR INTERFACE 1.0: Jun 16, 2009@12:21:42 Build Distribution Date: May 22, 2009 Installing Routines Jun 16, 2009@12:21:42 Running Pre-Install Routine: PRE^BADEEC01 Installing Data Dictionaries: Jun 16, 2009@12:21:42 Jun 16, 2009@12:21:42 Installing Data: Installing PACKAGE COMPONENTS: Installing SECURITY KEY Installing HL LOGICAL LINK Installing PROTOCOL Installing OPTION Installing PARAMETER DEFINITION Jun 16, 2009@12:21:42 Running Post-Install Routine: POST^BADEEC01

Installation Guide & Release Notes February 2010 Sample Installation

```
Updating Routine file

Updating KIDS files

DENTAL/EDR INTERFACE 1.0 Installed.

Jun 16, 2009@12:21:42

NO Install Message sent

Install complete
```

Figure 5-5: Installation Option Install Package

## 4.5 Checksums

Routine Name	Checksum Value
BADEEC01	2982224
BADEEVNT	6439828
BADEHL1	11928761
BADEHL2	6339802
BADEHL3	16370983
BADEHL4	9278370
BADEHLI	18832086
BADEHLZ	6070181
BADESND	2310088
BADEUTIL	285862
BADEVNT1	9343849

# 5.0 Contact Information

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

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

**Fax:** (505) 248-4363

Web: http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm

Email: <a href="mailto:support@ihs.gov">support@ihs.gov</a>