



RESOURCE AND PATIENT MANAGEMENT SYSTEM

**GENERIC INTERFACE SYSTEM
(GIS)**

INSTALLATION GUIDE

**Version 3.01
July 2001**

**Information Technology Support Center
Division of Information Resources
Albuquerque, New Mexico**

Preface

This manual contains the installation guide for the IHS RPMS Generic Interface System. A technical manual is provided with this installation package.

Please direct any comments or questions regarding this system to the following:

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1.0 INSTALLATION INSTRUCTIONS

Installation Notes for BHL Generic Interface System (GIS)

1.1 General Information

- a) Make a copy of this distribution for off-line storage.
- b) Print all notes/readme files.
- c) It is recommended that the terminal output be captured during the installation process, should problems arise

1.2 Contents of Distribution

- | | |
|---------------------------------------|--------------------------------|
| a) gis_0301.k | KIDS file |
| b) gis_301i.pdf | Installation Guide |
| c) gis_301t.pdf | Technical Manual |
| d) IHS_HL7_Specification_GIS.pdf | HL7 Specification Document |
| e) HL7_to_IHS_Map_GIS.pdf | Mapping Document |
| f) hl7guide610.pdf | CDC Immunization Specification |
| g) GIS_Interface_Development_RPMS.pdf | |

1.3 Requirements

- | | |
|------------------------------------|-----------------|
| a) Kernel | V 8.0 or higher |
| b) FileMan | V 21 or higher |
| c) IHS MAS (DG/SD) | V 5, Patch 8 |
| d) IHS Immunization Package (BI) | V 7.0 or later |
| e) PCC Data Entry (APCD) | V 2.0, Patch 6 |
| f) XB/ZIB Utilities | V 3.0, Patch 9 |
| g) IHS Patient Dictionaries (AUPN) | V 99.1, Patch 7 |
| h) Patient Registration (AG) | V 6, Patch 14 |
| i) Outpatient Pharmacy (PSO) | V 6, Patch 4 |

1.4 Installation Instructions

In all UCI's where installation will occur:

- a) D ^XPKDRN (KIDS Menu)
- b) Select Load a Distribution.
- c) Select from a Host File
- d) Put in the filename gis_0301.k
- e) After you have loaded the package, select the install option.
- f) Install name is GIS 3.01

- g) Move the following routines to manager and rename them:
 - ZINETNTM → %INET
 - ZTFDTNTM → %ZTFDT
 - ZTFENTM → %ZTFE
 - ZTFNTM → %ZTF
 - ZTOS → %ZTOS
- h) Assign Security Keys: INH MESSAGE EDIT to message developers
- i) Assign Security Key: INH SITE MANAGER to site manager and ITSC staff
- j) Edit the BHL Site Parameters (note: all are mandatory)
- k) Edit the GIS Site Parameters
- l) Define Transactions, Destinations, and Background Processes
- m) Start Format Controller
- n) If sending outbound start Output Controller, and your defined Outbound Transmitter
- o) If receiving inbound start your defined Inbound Receiver

1.5 Point of Contact

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2.0 SAMPLE INSTALLATION SESSION

```
[PRD,CIM]>D ^XPKRN

KIDS 8.0

Select KIDS OPTION: LOAD A DISTRIBUTION
Enter a Host File: d:\temp\gis_0301.k

KIDS Distribution saved on Jun 20, 2000@15:16:08
Comment: GIS Version 3.01 for IHS

This Distribution contains Transport Globals for the following Package(s):
    GIS 3.01

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

    GIS 3.01
Use INSTALL NAME: GIS 3.01 to install this Distribution.

[PRD,CIM]>D ^XPKRN

KIDS 8.0

Select KIDS OPTION: INSTALL PACKAGE(S)
Select INSTALL NAME:    GIS 3.01          Loaded from Distribution      Loaded
from Distribution  6/20/00@15:17:56
    => GIS Version 3.01 for IHS ;Created on Jun 20, 2000@15:16:08

This Distribution was loaded on Jun 20, 2000@15:17:56 with header of
GIS Version 3.01 for IHS ;Created on Jun 20, 2000@15:16:08
It consisted of the following Install(s):
GIS 3.01

    GIS 3.01

Install Questions for GIS 3.01

Incoming Files:

    4000      INTERFACE TRANSACTION TYPE (including data)
Note: You already have the 'INTERFACE TRANSACTION TYPE' File.
I will OVERWRITE your data with mine.

    4000.1    INTERFACE FORMATTER TASK
Note: You already have the 'INTERFACE FORMATTER TASK' File.

    4001      UNIVERSAL INTERFACE
Note: You already have the 'UNIVERSAL INTERFACE' File.
```

4001.1 INTERFACE CRITERIA

Note: You already have the 'INTERFACE CRITERIA' File.

4002 INTERFACE SITE PARAMETERS (including data)

Note: You already have the 'INTERFACE SITE PARAMETERS' File.
I will OVERWRITE your data with mine.

4002.1 INTERFACE OPERATING SYSTEM (including data)

Note: You already have the 'INTERFACE OPERATING SYSTEM' File.
I will OVERWRITE your data with mine.

4003 INTERFACE ERROR

Note: You already have the 'INTERFACE ERROR' File.

4003.1 INTERFACE ERROR LOCATION (including data)

Note: You already have the 'INTERFACE ERROR LOCATION' File.
I will OVERWRITE your data with mine.

4003.2 INTERFACE ERROR TYPE (including data)

Note: You already have the 'INTERFACE ERROR TYPE' File.

4004 BACKGROUND PROCESS CONTROL (including data)

Note: You already have the 'BACKGROUND PROCESS CONTROL' File.
I will OVERWRITE your data with mine.

4005 INTERFACE DESTINATION (including data)

Note: You already have the 'INTERFACE DESTINATION' File.
I will OVERWRITE your data with mine.

4006 INTERFACE SCRIPT (including data)

Note: You already have the 'INTERFACE SCRIPT' File.
I will OVERWRITE your data with mine.

4007 INTERFACE NAME SPACE (including data)

Note: You already have the 'INTERFACE NAME SPACE' File.
I will OVERWRITE your data with mine.

4010 SCRIPT GENERATOR SEGMENT (including data)

Note: You already have the 'SCRIPT GENERATOR SEGMENT' File.
I will OVERWRITE your data with mine.

4011 SCRIPT GENERATOR MESSAGE (including data)

Note: You already have the 'SCRIPT GENERATOR MESSAGE' File.
I will OVERWRITE your data with mine.

4012 SCRIPT GENERATOR FIELD (including data)

Note: You already have the 'SCRIPT GENERATOR FIELD' File.
I will OVERWRITE your data with mine.

4012.1 SCRIPT GENERATOR DATA TYPE (including data)
Note: You already have the 'SCRIPT GENERATOR DATA TYPE' File.
I will OVERWRITE your data with mine.

4090.1 DATA ELEMENT VALUE MAP
Note: You already have the 'DATA ELEMENT VALUE MAP' File.

4090.2 DATA ELEMENT MAP FUNCTION
Note: You already have the 'DATA ELEMENT MAP FUNCTION' File.

4090.22 TEMPORARY VALUE MAP
Note: You already have the 'TEMPORARY VALUE MAP' File.

90076.1 BHL HL7 ERROR MESSAGE (GIS) (including data)

90076.2 BHL HL7 ERROR LOG (GIS)

90076.3 BHL HL7 PARAMETER (GIS)

Incoming Mail Groups:

CHOOSE 1-5: 5 WILLIAMS,MARK MW

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO
Want to MOVE routines to other CPUs? 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//

Install Started for GIS 3.01 :
Jun 20, 2000@15:18:29

Installing Routines:
Jun 20, 2000@15:18:35

Installing Data Dictionaries:
Jun 20, 2000@15:18:37

Installing Data:
Jun 20, 2000@15:18:52

Installing PACKAGE COMPONENTS:

Installing BULLETIN

Installing SECURITY KEY

Installing FUNCTION

Installing PRINT TEMPLATE

Installing SORT TEMPLATE

Installing INPUT TEMPLATE

Installing FORM

Installing MAIL GROUP

Installing PROTOCOL

Located in the BHL (IHS SUPPORT FOR HL7 INTERFACES) namespace.

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Installing LIST TEMPLATE

Installing OPTION

Jun 20, 2000@15:19:03

Updating Routine file...

The following Routines were created during this install:

Updating KIDS files...

GIS 3.01 Installed.

Jun 20, 2000@15:19:05

Starting Menu Rebuild: Jun 20, 2000@15:19:06

Collecting primary menus in the New Person file...

Primary menus found in the New Person file

OPTION NAME	MENU TEXT	# OF USERS	LAST USED	LAST BUILT
AKMOEVE 02/15/00	IHS Kernel	16	09/01/99	
AKMOCORE 02/15/00	CORE - IHS Core Menu	61	09/30/98	

Building secondary menu trees....

Install Completed

Edit BHL Site Parameters

```

CORE   IHS Core ...
DEV    Device Management ...
FM     VA FileMan ...
MAN    Manage Mailman ...
MM     Menu Management ...
PROG   Programmer Options ...
SM     Operations Management ...
SPL    Spool Management ...
SPY    System Security ...
TM     Taskman Management ...
UM     User Management ...
GIS    GIS Interface Menu ...
HL     HL7 Main Menu ...
PERA   ADD/EDIT Persons ...

```

Select IHS Kernel Option: GIS GIS Interface Menu

```

TCM    Transaction Control Menu ...
FTM    File and Table Menu ...
EM     Error Menu ...
BPM    Background Process Control Menu ...
SM     Script Menu ...
SGM    Script Generator Menu ...
IHS    IHS User Menu ...

```

Select GIS Interface Menu Option: IHS IHS User Menu

```

MTU    Master Table Update Menu ...
QRY    Query for an Immunization
SIT    Edit HL7 Site Parameters

```

Select IHS User Menu Option: SIT Edit HL7 Site Parameters

Select BHL HL7 PARAMETER (GIS) LOCATION: DULCE HEALTH CENTER

ALBUQUERQUE JICARILLA 10

Are you adding 'DULCE HEALTH CENTER' as
a new BHL HL7 PARAMETER (GIS) (the 1ST)? No// Y (Yes)

DEFAULT SERVICE CATEGORY: A AMBULATORY

DEFAULT PROVIDER: MARTIN,RAY DENTIST AM2325101 IHS RM
152RM

DEFAULT VISIT LOCATION: DULCE HEALTH CENTER ALBUQUERQUE
JICARILLA 10

DEFAULT ADMISSION TYPE: REGULAR DISCHARGE// DIRECT ADMISSION 1

DEFAULT DISCHARGE TYPE: REGULAR DISCHARGE DISCHARGE 1

DEFAULT ADMITTING SERVICE: GENERAL MEDICINE 03

DEFAULT DISCHARGE SERVICE: GENERAL MEDICINE 03

GIS Site Parameter Edit

Select IHS Kernel Option: GIS GIS Interface Menu

TCM Transaction Control Menu ...
FTM File and Table Menu ...
EM Error Menu ...
BPM Background Process Control Menu ...
SM Script Menu ...
SGM Script Generator Menu ...
IHS IHS User Menu ...

Select GIS Interface Menu Option: FTM File and Table Menu

TTE Transaction Type Enter/Edit
DE Destination Entry/Edit
SPE Site Parameter Entry/Edit
BPE Background Process Entry/Edit
IOE Interface OS Edit
RMD Replicate message to destinations
IAD Interface Application Display

Select File and Table Menu Option: SPE Site Parameter Entry/Edit

*** Interface Site Parameters ***

SITE NAME: DULCE-HC.ALB.IHS.GOV SELECTIVE ROUTING DEBUG: ON
INTERFACE SYSTEM ACTIVE: YES MESSAGE ID PREFIX: IHS-
DEFAULT RETRY RATE: 5 DEFAULT MAX # OF ATTEMPTS: 2
MAX NUMBER OF OUTPUT JOBS: 3 OUTPUT CONTROLLER MODE: SERVER MODE
OUTPUT CONTROLLER HANG TIME: 2 OUTPUT SERVER WAIT TIME: 600
CUTOFF PRIORITY: HANG AFTER A NEW JOB: 1
MAX # OF FORMATTER JOBS: 3 FORMAT CONTROLLER MODE: SERVER MODE
FORMATTER HANG TIME: 2 FORMAT SERVER WAIT TIME: 600
PRIORITY FOR BACKGROUND TASKS: 5 MINUTES TO BE CURRENT: 120
SCRIPT VARIABLE STORAGE LOCATION: LOCAL, CAN MOVE TO GLOBAL
\$\$ FOR VARIABLE OVERFLOW: 15000
NUMBER OF DAYS TO RETAIN COMPLETE TRANSACTIONS AND RESOLVED ERRORS: 15
MAXIMUM NUMBER OF DAYS TO RETAIN ANY TRANSACTION OR ERROR: 60
NUMBER OF DAYS TO RETAIN INTERFACE CRITERIA ENTRIES: 180
CODE TO BUILD USER VARIABLES: D ^BHLV

Exit Save Refresh

Enter a command or '^' followed by a caption to jump to a specific field.

COMMAND: Press <PF1>H for help
Insert