

***Configure Area  
Pathname Catalog  
For Custom Displays***

**L5199**

**AG**

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## Acronyms

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EB .....Exception Build  
IDF ..... Intermediate Data File  
PED ..... Parameter Entry Display

## References

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<b>Publication Title</b>	<b>Publication Number</b>	<b>Binder Title</b>	<b>Binder Number</b>
<i>Engineer's Reference Manual</i>	SW09-505	Implementation/Startup & Reconfiguration - 2	TDC 3030-2
<i>Area Form Instructions</i>	SW12-580	Implementation/Engineering Operations - 1	TDC 3032-1

# Introduction

## Module Overview

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### About this module

The Area database pathname catalog is where the user defines

- the media search paths for the Universal Station to locate custom display and free format log object files at runtime, and
- the names of the custom displays and free format logs that are to be resident in the memory of the station for faster access.

In this course module you will modify an Area's pathname catalog as would be necessary after you

- build a new custom display that is to be memory resident, or
  - create a new directory for custom display object files.
- 

### Objective

Change an Area Database pathname catalog using two different methods:

1. modifying and loading an Exception Build file (.EB), and
  2. modifying and loading a PED.
- 

### Sample test items

This course module's Criterion Test includes the following item:

Demonstrate to your course manager that you successfully completed the lab exercise:

1. Print your .EB file for Area 9.
  2. Print the pathname catalog for Area 10.
-



# Configure Area Pathname Catalog For Custom Displays

## Where to Store Schematic Object Files

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### General guidelines

Store only *object* files in the schematic search directories, not source files.

To ensure that the nonmemory resident schematics and FFLs are retrieved as quickly as possible, specify the paths to these directories as the *first* search paths in the Area Pathname Catalog.

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### Fast search user volume

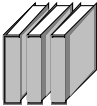
In R500 and later, the first User volume on each HM may be configured as a Fast Search User volume. Directory searches on a Fast Search User volume are 20 times faster than the standard directory search because of the addition of a binary search algorithm for directory access.

Store your schematic object files in directories on a *Fast Search User volume* for fast schematic access.

Before R500, since the Fast Search User volume was not available, Honeywell recommended that you store schematics in the &Dnn directories for faster access.

On R500 and later, *the fast User volume is the more efficient volume.*

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REFERENCE—Refer to Section 23.6 of the *Engineer's Reference Manual* for additional directory search information.

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## Lab Exercise

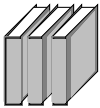
### Modify Area Pathname Catalog

#### Objective

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In this lab exercise, you will change an Area pathname catalog using two different methods:

1. Modifying and loading an Exception Build file (.EB)
  2. Modifying and loading a PED
- 



REFERENCE—These reference manuals discuss the Area pathname catalog:

*Area Form Instructions*, Section 3.2

*Engineer's Reference Manual*, Section 13.3

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## Modify Area Pathname Catalog, Continued

### Instructions—Part 1

Perform the procedure in Table 1 to modify and load an Exception Build file.

Table 1 Procedure to Modify and Load EB File

**S**  
  
  
  
  
  
  
  
  
**L**  
  
**I**  
  
**C**

Step	Action
1	Referencing your AGB1 cartridge, set your user path to \$Fnn>&D09, then copy the file \$Fnn>&D01>PATHS.EB to &D09.
2	Edit this file to be correct for area 9 (ED PATHS.EB): <ul style="list-style-type: none"> <li>• Change the VOLID to point to &amp;D09</li> <li>• Use [CTL] [F6], [CTL] [F6] to turn display ON to see changes take place.</li> <li>• Use Replace [CTL] [F5], [CTL] [F3] to change \$F1 to \$F17.</li> <li>• Use Replace to change \$F2 to \$F18.</li> <li>• Quit and save the file.</li> </ul>
3	Enter CMD to go to the Command Menu Display.
4	Select Area 9 and change the current AREA DATA BASE pathname from NET to \$Fn (n = your left drive). (see Figure 1)
5	Select Exception Build. Select <input type="text" value="LOAD ENTITIES"/>
6	Type PATHS for both the Source file and IDF file.
7	Press [ENTER] to load the .EB file.
8	Install the area. Select <input type="text" value="INSTALL AREA"/> and press [ENTER].
9	Normally, you would change areas now, but do not do it for this exercise.
10	Press [CTL] [HELP] to return to the command processor.

*Continued on next page*

## Modify Area Pathname Catalog, Continued

### Instructions—Part 1, continued

Figure 1 Select Area Display

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WRITE TO IDF	READ TO PED	DELETE SYSTEM ENTITY	DELETE ENTITY FROM IDF	DISPLAY FILE	SELECT AREA
LOAD	LOAD MULTIPLE	DELETE MULT ENTITIES	DELETE MULT ENTITIES IDF	EXECUTE COMMAND FILE	INSTALL AREA
RECONSTITUTE	RECONSTITUTE MULTIPLE	LIST ENTITIES IN MODULE	LIST ENTITIES IN IDF	PRINT FILE	
ALTER PARAMETERS	EXCEPTION BUILD		REPACK IDF	PRINT ENTITIES	NEW

REFERENCE PATH NAME \$F3>&D09>

The pathname must take the form logical\_device\_id>&Dnn>AREA09, where 'nn'  
denotes an area number 01-10.  
Give path OR select area number and give logical device id for data base.

AREA NUMBER

1	2	3	4	5	6	7	8	9	10	OTHER
---	---	---	---	---	---	---	---	---	----	-------

current AREA DATA BASE pathname NET>&D09>AREA09

F1=PED F3= F5=OVERWRITE F7=RECON F9 =WLK BACK F11=TAB  
F2=RECALL DISP F4= F6= F8=PED STATUS F10=WRITE F12=LOAD

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Change NET to \$Fn (n = your left drive)

Continued on next page

## Modify Area Pathname Catalog, Continued

### Instructions—Part 2

Perform the procedure in Table 2 to modify and load a PED.

Table 2 Procedure to Modify and Load PED

Step	Action
1	From the Command Processor, type ADB.
2	Select Pathname Catalog.
3	Press the [COMND] key.
4	Select Area 9; change the current AREA DATA BASE pathname from NET to \$Fn (n = your left drive). (see Figure 1)
5	Press [CTL] [F1] to go to the PED.
6	Press [ENTER].
7	Press [CTL] [F7] to reconstitute Area 9 pathnames.
8	Change the PED to be correct for Area 10: <ul style="list-style-type: none"><li>• change the button file point to &amp;D10,</li><li>• change \$F17 to \$F19, and</li><li>• change \$F18 to \$F20.</li><li>• Press [ENTER]</li></ul>
9	Press the [COMND] key.
10	Select Area 10 and change the current AREA DATA BASE pathname from NET to \$Fn (n = your left drive).
11	Press [CTL] [F12] to load the PED.
12	Install Area10.

End of Lab Exercise

# Housekeeping

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**Instructions**

Press [ESC] key, then delete these files from &D09 and &D10:

- .BU
  - .WA
  - .DB
  - .UL
  - .SL
-

## Directions



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**DIRECTIONS**—This is the end of the study material for this module. Discuss questions concerning the study material or the lab activities with a colleague or a course manager

If you are satisfied that you have achieved the objectives of this module, continue with the next section, the Student Proficiency Evaluation.

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# Student Proficiency Evaluation

## Criterion Test

### Instructions

Successful completion of the lab exercise meets the test requirements.

To demonstrate to your course manager that you successfully completed the lab exercise:

1. Print your PATHS.EB file for Area 9.
2. Print the pathname catalog for Area 10 (see Figure 2):
  - Select Area 10.
  - Select **PRINT ENTITIES**.
  - Select **PRINT SYSTEM ENTITIES**.
  - Enter \$OABSTR in the Selection List entry port.

Figure 2 Print Entities

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COMMAND DISPLAY

WRITE TO IDF	READ TO PED	DELETE SYSTEM ENTITY	DELETE ENTITY FROM IDF	DISPLAY FILE	SELECT AREA
LOAD	LOAD MULTIPLE	DELETE MULT ENTITIES	DELETE MULT ENTITIES IDF	EXECUTE COMMAND FILE	INSTALL AREA
RECONSTITUTE	RECONSTITUTE MULTIPLE	LIST ENTITIES IN MODULE	LIST ENTITIES IN IDF	PRINT FILE	
ALTER PARAMETERS	EXCEPTION BUILD		REPACK IDF	<b>PRINT ENTITIES</b>	NEW

REFERENCE PATH NAME

PRINT screen  
entity

PRINT IDF  
entities

**PRINT system  
entities**

pathname for SELECTION LIST \$OABSTR

PRINT device ID or DESTINATION pathname \$P1

current AREA DATA BASE pathname \$F3>8D10>AREA10

F1=PED	F3=	F5=OVERWRITE	F7=RECON	F9 =WLK BACK	F11=TAB
F2=RECALL DISP	F4=	F6=	F8=PED STATUS	F10=WRITE	F12=LOAD

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# Self-Evaluation

## Solutions

*Your printouts should appear similar to Figures 3 and 4:*

- *Figure 3 - PATH.EB file for for Area 9*
- *Figure 4 - Pathname catalog for Area 10*

Figure 3      PATHS.EB File for Area 9

```
PATHS.EB
11/01/03 15:04:07

{ SCREEN ENTITY $OABSTRT()                                }
&T $ABSTRT
&N $OABSTRT
VOLID  ="&D09"
DISPNAME(37) ="BUTTON  "
DISPNAME(1) ="MOOSE  "
FFLOGS(1) = OFF
DISPNAME(2) ="COND_IF "
FFLOGS(2) = OFF
DISPNAME(3) ="MIXEDEXP"
FFLOGS(3) = OFF
DISPNAME(4) ="BOOLEXP "
FFLOGS(4) = OFF
DISPNAME(5) ="ACTRULES"
FFLOGS(5) = OFF
DISPNAME(6) ="ARITHEXP"
FFLOGS(6) = OFF
DISPNAME(7) ="STRNGEXP"
FFLOGS(7) = OFF
DISPNAME(8) ="ENUMEXP "
FFLOGS(8) = OFF
DISPNAME(9) ="GENPMENU"
FFLOGS(9) = OFF
DISPNAME(10) ="ACTMENU "
FFLOGS(10) = OFF
DISPNAME(11) ="IFMENU  "
FFLOGS(11) = OFF
DISPNAME(12) ="SYSTEMENU"
FFLOGS(12) = OFF
DISPNAME(13) ="SYSMENU "
FFLOGS(13) = OFF
DISPNAME(14) ="FUNMENU "
FFLOGS(14) = OFF
DISPNAME(15) ="DDBMENU "
FFLOGS(15) = OFF
DISPNAME(16) ="TRCKMENU"
FFLOGS(16) = OFF
DISPNAME(17) ="VALUMENU"
FFLOGS(17) = OFF
DISPNAME(18) ="HELP_EXP"
FFLOGS(18) = OFF
```

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## Self-Evaluation, Continued

### Solutions, continued

Figure 3 PATHS.EB File for Area 9, continued

```
DISPNAME(19) = "NUM_PAR1"
FFLOGS(19) = OFF
DISPNAME(20) = "NUM_PAR2"
FFLOGS(20) = OFF
DISPNAME(21) = "SYNTAX "
FFLOGS(21) = OFF
DISPNAME(22) = "CONDSYN "
FFLOGS(22) = OFF
DISPNAME(23) = "COLORTIP"
FFLOGS(23) = OFF
DISPNAME(24) = "CONDMENU"
FFLOGS(24) = OFF
DISPNAME(25) = "TIPSMENU"
FFLOGS(25) = OFF
DISPNAME(26) = "APPLMENU"
FFLOGS(26) = OFF
DISPNAME(27) = "CONDSYN2"
FFLOGS(27) = OFF
DISPNAME(28) = "CONDSYN3"
FFLOGS(28) = OFF
DISPNAME(29) = "VARMENU "
FFLOGS(29) = OFF
DISPNAME(30) = "GRID1  "
FFLOGS(30) = OFF
DISPNAME(31) = "RSDDDB1 "
FFLOGS(31) = OFF
DISPNAME(32) = "IFSYN  "
FFLOGS(32) = OFF
DISPNAME(33) = "      "
FFLOGS(33) = OFF
DISPNAME(34) = "      "
FFLOGS(34) = OFF
DISPNAME(35) = "      "
FFLOGS(35) = OFF
DISPNAME(36) = "      "
FFLOGS(36) = OFF
$PRTPATH(1) = "$F17>WORK  "
$PRTPATH(2) = "$F18>ACT  "
$PRTPATH(3) = "$F18>DEMO  "
$PRTPATH(4) = "$F18>SYNT  "
$PRTPATH(5) = "$F18>SYS   "
$PRTPATH(6) = "$F18>TRCK  "
$PRTPATH(7) = "$F18>FUN   "
$PRTPATH(8) = "NET>PICS  "
$PRTPATH(9) = "          "
$PRTPATH(10) = "$F18>GENP  "
```

## Self-Evaluation, Continued

Figure 4 Pathname Catalog for Area 10

PAGE 1	
SCREEN ENTITY \$OABSTRT( )	
VOLID = "&D10"	
DISPNAME(37) = "BUTTON "	
DISPNAME(1) = "MOOSE "	
FFLOGS(1) = OFF	
DISPNAME(2) = "COND_IF "	
FFLOGS(2) = OFF	
DISPNAME(3) = "MIXEDEXP"	
FFLOGS(3) = OFF	
DISPNAME(4) = "BOOLEXP "	
FFLOGS(4) = OFF	
DISPNAME(5) = "ACTRULES"	
FFLOGS(5) = OFF	
DISPNAME(6) = "ARITHEXP"	
FFLOGS(6) = OFF	
DISPNAME(7) = "STRNGEXP"	
FFLOGS(7) = OFF	
DISPNAME(8) = "ENUMEXP "	
FFLOGS(8) = OFF	
DISPNAME(9) = "GENPMENU"	
FFLOGS(9) = OFF	
DISPNAME(10) = "ACTMENU "	
FFLOGS(10) = OFF	
DISPNAME(11) = "IFMENU "	
FFLOGS(11) = OFF	
DISPNAME(12) = "SYSTEMENU"	
FFLOGS(12) = OFF	
DISPNAME(13) = "SYSMENU "	
FFLOGS(13) = OFF	
DISPNAME(14) = "FUNMENU "	
FFLOGS(14) = OFF	
DISPNAME(15) = "DDBMENU "	
FFLOGS(15) = OFF	
DISPNAME(16) = "TRCKMENU"	
FFLOGS(16) = OFF	

*Continued on next page*

## Self-Evaluation, Continued

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### Solutions, continued

Figure 4 Pathname Catalog for Area 10, continued

```
DISPNAME(17) = "VALUMENU"  
FFLOGS(17) = OFF  
DISPNAME(18) = "HELP_EXP"  
FFLOGS(18) = OFF  
DISPNAME(19) = "NUM_PAR1"  
FFLOGS(19) = OFF  
DISPNAME(20) = "NUM_PAR2"  
FFLOGS(20) = OFF  
DISPNAME(21) = "SYNTAX "  
FFLOGS(21) = OFF  
DISPNAME(22) = "CONDSYN "  
FFLOGS(22) = OFF  
DISPNAME(23) = "COLORTIP"  
FFLOGS(23) = OFF  
DISPNAME(24) = "CONDMENU"  
FFLOGS(24) = OFF  
DISPNAME(25) = "TIPSMENU"  
FFLOGS(25) = OFF  
DISPNAME(26) = "APPLMENU"  
FFLOGS(26) = OFF  
DISPNAME(27) = "CONDSYN2"  
FFLOGS(27) = OFF  
DISPNAME(28) = "CONDSYN3"  
FFLOGS(28) = OFF  
DISPNAME(29) = "VARMENU "  
FFLOGS(29) = OFF  
DISPNAME(30) = "GRID1 "
```

*Continued on next page*

## Self-Evaluation, Continued

### Solutions, continued

Figure 4 Pathname Catalog for Area 10, continued

PAGE 2

SCREEN ENTITY \$OABSTRT()

```
FFLOGS(30) = OFF
DISPNAME(31) = "RSDDDB1 "
FFLOGS(31) = OFF
DISPNAME(32) = "IFSYN "
FFLOGS(32) = OFF
DISPNAME(33) = " "
FFLOGS(33) = OFF
DISPNAME(34) = " "
FFLOGS(34) = OFF
DISPNAME(35) = " "
FFLOGS(35) = OFF
DISPNAME(36) = " "
FFLOGS(36) = OFF
$PRTPATH(1) = "$F19>WORK "
$PRTPATH(2) = "$F20>ACT "
$PRTPATH(3) = "$F20>DEMO "
$PRTPATH(4) = "$F20>SYNT "
$PRTPATH(5) = "$F20>SYS "
$PRTPATH(6) = "$F20>TRCK "
$PRTPATH(7) = "$F20>FUN "
$PRTPATH(8) = "NET>PICS "
$PRTPATH(9) = " "
$PRTPATH(10) = "$F20>GENP "
```

## Directions



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DIRECTIONS—This is the end of this module.

Use your course map to

- Get your course manager to sign off this module.
- Choose your next eligible module.

If you have a question

- Ask your course manager.
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