



Navigating INFO

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with materials from:

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Institute**

Section Six

Using INFO with AML

Using INFO with AML

- Variable substitution
 - AML Variables set as arguments or by directives.
 - Stored value is substituted for variable name.
 - Variable values are substituted and embedded into INFO program code
- Passing Variables to INFO
 - CALC command
 - MOVE command
 - As response to ACCEPT or other prompt

Using INFO with AML

- Checking existence of Files and Programs
 - Checks if files or programs exist
 - Sets a variable to `.TRUE.` Or `.FALSE.`
 - Use to decide what to do in INFO.
- Comment Lines
 - Passed to INFO as blank lines
 - Use `REM` inside INFO data blocks
 - Document lines intentionally left blank

INFO in Data Blocks

Redirected Input

AML Program  Command File

```
&Setvar VAL:= 5
&Setvar FILE:= ROADS.AAT
&Data ARC INFO
CALC $NUM1 = %VAL%
SELECT %FILE%
QUIT, STOP
&END
```

```
ARC INFO
CALC $NUM1 = 5
SELECT ROADS.AAT
QUIT, STOP
```


Another Way to Use INFO with AML

EXAMPLE:

```
&Set_var Home := [Dir[Pathname *]]
&Workspace NAVINFO>APPLICATION
&Sys Como - NTTY /* on Prime
&Data INFO9
NAV
COMO -TTY
RUN MY_PROG
COMO -NTTY
QUIT, STOP
&End
&Sys Como - TTY /* on Prime
&workspace %Home%
&Return
```

OR:

```
&Workspace *>INFO
&Data INFO9
NAV
RUN MY_PROG
QUIT,STOP
&End
&Workspace [Dir[Dir[Pathname*]]]
&Return
```

&TTY INFO (1 of 3)

```
/*
&Abbreviations &Off
&Data ARC INFO
DIR %Oldname% PRINT
Q STOP
& End
& Abbreviations & On
/* -----
/*      Now open the ARCNISP file and read the internal name
/*
&S openstat := 0
&S fileunit :=[open *>INFO>ARCNISP openstat - READ]
/*
&If %openstat% ^= 0 &Then &Do
    &Type could not open *>INFO?ARCNISP!
    &Type returned status code was: %openstat%
&Return
&End
/*
/* Read first line of the directory printout (header line)
/*
```


&TTY INFO (2 of 3)

```
&S string := [Read %fileunit% openstat]
&If %openstat% ^= 0 &Ten &Do
    &Type could not read record 1 of *>INFO?ARCNSP!
    &Type returned status code was: %openstat%
&End
/*
/* Now read the directory string
/*
&String := [Read %fileunit% openstat]
&If %openstat% ^=0 &Then &Do
    &Type could not read record 2 of 8>INFO?ARCNSP !
    &Type Returned status code was: %openstat%
    &Returned
&End
/*
&S Internal := [Sbstr %String% 41 9]
&Type INFO internal name for %oldname% is %Internal%
/*
&If [Close %fileunit%] ^=0 &Then &Do
    &Type could not close *>INFO?ARCNSP on unit % fileunit%
    &Return
&End
```


&TTY INFO (3 of 3)

```
-----  
/* Now let's rename the file.  
/*  
&Abbreviations &Off  
&Data ARC INFO  
RENAME %internal% %newname%  
Q STOP  
&End  
&Abbreviations &On  
  
&Return
```

Accessing INFO Files with ARC 5.0

POLYCOV.PAT:

106	1	45000	15000	A
107	2	15000	3000	C
108	3	67000	13000	B
109	4	95000	20000	B
110	5	12500	6000	C
111	6	17000	3500	B
112	7	28000	14500	A

[GETITEM POLYCOV.PAT]

Item:

POLYCOV-ID	POLYCOV#	AREA
PERIMETER	CODE	none

[GETUNIQUE POLYCOV.PAT CODE]

Code:

A	B	C	none
---	---	---	------

Accessing INFO Files with ARC 5.0

POLYCOV.CODE

COL	ITEMNAME	WIDTH	OPUT	TYP	N.DEC	ALT.NAME
1	POLYCOV-ID	4	5	B	-	
5	CODE1	4	5	B	-	
9	CODE2	4	12	F	3	

```
[ ITEMINFO POLYCOV.CODE -INFO CODE2 -  
  DEFINITION ]
```

Returns: 4, 12, F, 3

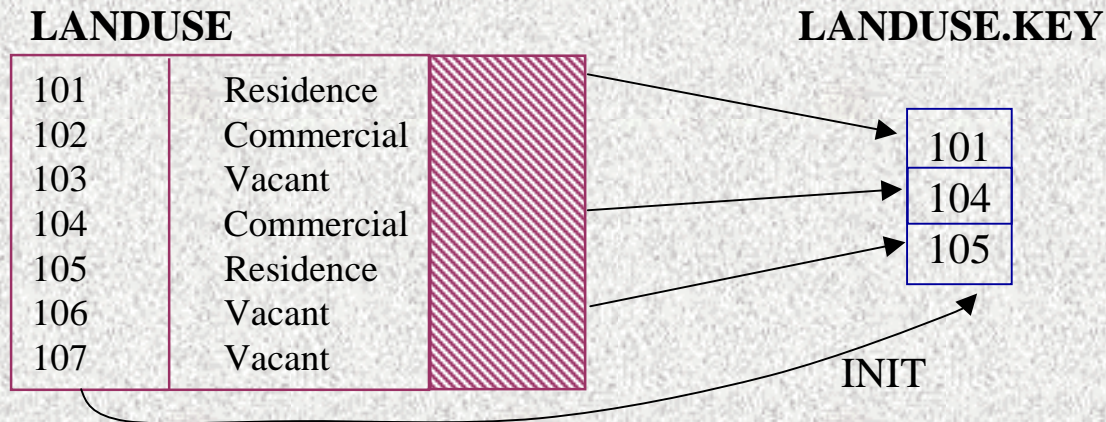
```
[ DELETE POLYCOV.CODE -INFO ]
```

Returns: 0 if successful

non-zero if not successful

(see the AML manual for error codes)

ARCPLLOT Commands that use INFO Files



INFO: SELECT LANDUSE
RESELECT LANDUSE.CODE = 'Residence'
RELATE LANDUSE.KEY BY LANDUSE-ID INIT
CALC \$!LANDUSE-ID = LANDUSE-ID

Arcplot: RESELECT LANDUSE POLY KEYFILE LANDUSE.KEY LANDUSE-ID
POLYGONSHADES LANDUSE 10

