

## ERRORS IN BEADS

When BEADS returns with error, the ~~error~~ error class, error number and ~~error~~ modifier are as follows

CLASS - constant, now 36B but in near future will be given a value from errno.h, etc

- NUMBER -
- 1 error during build sub process, bad style
  - 2
  - 3
  - 4 error during bead call to set directory entry
  - 5 error during bead call to read directory entry
  - 6 error during closing of files opened for <sup>maps of a</sup> sub process ~~sub process~~

modifier depends upon the number

- 1-0 error while attempting to read descriptor header
- 10B error while loading up class code
- 20B error while creating list
- 30B error while creating the sub process itself
- 40B error while locking up scanner file
- 45B error while opening scanner file
- 50B error while ~~locking~~ reading & expect scanner file
- 60B Too many levels in scanner file
- 70B error while probing block in scanner file
- 100B error while creating block in scanner file
- 110B error while reading a map descriptor

(in this case the 3rd and 4th words of the additional information contain the address within the file of the map descriptor and the map index respectively)

4B ~~error~~ error while opening read-only disk file for map entry read-only map entry

5B error while opening disk file for read-write map entry.

- 120B error while looking up file for a map entry. (same additional information as 110B)
- 130B error while making map entry (same additional information as 110B)
- 140B error while reading a c-list entry description (in this case the 3rd ~~word~~ and 4th words of the additional information contain the address within the file of the descriptor and the c-list index respectively)

- 150B error while looking up object for c-list entry (same additional info)
- 160B error while making entry in c-list. (same additional info)
- 170B error while making subprocess call operation
- 200B error while making a fixed c-list entry

~~When error number 110B is used~~

No other error number currently has modifiers

6 - ~~10B~~

10 B error while obtaining scratch file

15 B error while closing scratch file

20 B error while reading map descriptor

3rd and 4th words of additional info

same as on 5-110B error

30 B error while obtaining file for a map entry  
(3rd & 4th wds same as 20B)

40 B error while closing file for a map entry  
(3rd & 4th wds same as 20B)

whenever an error occurs in BEADS, a 4 word block of information is set up. It can be read with `get` a call to `cmds` of type 4. It can also be read with a command of `BEADSEMSU TO SERVICES`. The 4 words will be typed out. Also, The command processor and services sometimes deliver the 4 words without using.

#### FIRST WORD

If a real error occurred within BEADS, the error class. If an internally detected error occurred, they are following

- 1            44 Error occurred
- 2            44 inconsistency occurred

#### SECOND WORD

If a real error occurred, the error number

#### THIRD + FOURTH WORDS

under certain conditions, these contain useful information