ETOS V5B: SYSTEM MANAGER'S GUIDE

LIST OF UPDATES AND REVISIONS

Please note that the physical number of sheets removed may not equal the number of sheets to be inserted as their replacement.

Date	Remove Page(s)	Replacement Page(s)	Remarks
12/1/79			New Version of Documentation
4/28/80	6-65 thru 6-72	6-65 thru 6-72	USAGE Corrections
9/30/80	2-37	2-37	Section Header Incorrect
	3-25	3-25 thru 3-28	New CONFIG Section
	8-23 thru 8-37	8-23 thru 8-38	CDUMP Correction
	E-9	E-9 thru E-12	Optional Patch Correction

3.17 SCALE ERROR MESSAGES

A complete list of SCALE error messages is contained in Appendix B. The section on each SCALE command contains the errors pertaining to that command. In addition to these specified error messages, the following is a list of general error messages which may occur after a number of SCALE commands.

?BAD NUMBER

Too many digits were entered, no number was entered where one was required, or non-octal digits were entered in an argument which must be octal.

?FILE SPECIFICATION ERROR

An illegal syntax for an ETOS file was specified. An invalid ETOS device, account number, file name, file extension or protection code causes this error.

?UNKNOWN COMMAND

A command is entered which is not one of the valid SCALE commands listed in Appendix A.

?WHAT? WHERE?

A command is utilized in a manner which is invalid.

In addition to the error messages printed in response to SCALE commands, there are several error messages which may be printed by SCALE while a user program is running. These messages stop the virtual machine and return it to SCALE.

?ILLEGAL IOT

An input/output instruction, which ETOS does not support, was executed by the user program. This message will be printed if a non-privileged user attempts to run a privileged program or if you attempt to access a device which was not ASSIGNed.

The PC contains the (address +1) of the instruction which generated the error. The FLAGs word indicates the field of the address in bits 6-8.

?JMP/JMS TO NON EXISTENT FIELD

The user program executed a CIF to a non-existent field and attempted to execute a JMP or JMS. The PC contains the (address +1) of the JMP/JMS and bits 6-8 of the FLAG word contains the Instruction Field which the program tried to jump to. There is no indication which field the JMP/JMS came from. If you wish to locate the JMP/JMS error, all existing virtual fields must be examined at the location contained in the PC for a JMP or JMS.

?% VM HLT

The user program executed a HLT (7402) instruction. The PC contains the (address +1) of the instruction which contained the HLT. The FLAGs word indicates the field of the address in bits 6-8.

To recover from a ?% VM HLT, type one of the following:

    a) !R [0,2]OS8.RTS   (if you were running in OS/8)

    b) !R COSDISK.RTS   (if you were running in COS)

If either of these do not work, then LOGOUT and LOGIN again to

your account.

Do not use !CONT or !BOOT.

There are several errors which indicate a system malfunction. This malfunction may be due to hardware or software. If these errors occur frequently, there is a problem with the hardware, an ETOS system disk pack or the file structure. Diagnostics can be run to determine if there is a hardware problem. A copy of the system disk may be used to determine if the problem is caused by a disk pack. The file structure may be recreated by the system manager. A list of serious errors follows.

?READ ERROR

A READ error occurred while attempting to read information from an ETOS disk.

?SYSTEM SWAP ERROR

A READ or WRITE error occurred while swapping a user into or out of memory.

?SYSTEM R/W ERROR

A READ or WRITE error occurred while attempting to read or write information from the ETOS system pack.

?WAIT FOR I/O

Disk input/output has been initiated but not completed.