Guide to 'Overnight Test' Errors

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I. OS ERRORS

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2OS Errors are Macintosh Operating System Result Codes. The complete list can be found in <u>Inside Macintosh</u> Vol. V pp. 597-591. Errors 2 through 10 are SCSI Manager Errors. They are taken from <u>Inside Macintosh</u> vols. IV and V and are listed here as follows

2   Communications error (no device connected or improper   termination of bus);

3   Arbitration failed during SCSIGet; bus busy or hung;

4   Bad parameter in Command Descriptor Block or Transfer   Instruction Block opcode;

5   SCSI bus not in correct phase for attempted operation;

6   Data comparison error during read;

7   SCSI Manager busy with another operation when SCSIGet
       was called;

8   Attempted operation is performed out of sequence;

9   Bus timeout before data ready on SCSI Blind transfers
       (the drive and computer may not support blind data   transfers);

10   SCSIComplete failed;

<u>Summary of OS Errors</u>

The most common OS Errors are 2 and 10. They are often an indication of defective cabling, improperly configured termination, or bad power supply in an external hard drive. Do <u>not</u> try and reassign a block based upon an OS Error.

II. SENSE KEY ERRORS

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20   <u>No Sense</u> (Command successfully executed.)

1   <u>Recovered Error </u>(Drive experienced errors but still   completed command.)

2   <u>Not Ready</u> (Drive is either not spinning or not spinning at   operational speed.)

3   <u>Medium Error</u> (Probable bad block on drive.)

4.   <u>Hardware Error </u>(Drive is experiencing problems with
       its own hardware; bad block is only a remotely possible cause.)

5.   <u>Illegal Request </u>(Drive received and instruction it   either does   not recognize or cannot execute. You   should never get this   on the Overnight

test)

6.   <u>Unit Attention</u> (Drive has just been powered on,   experienced a reset, or a
45 Removable has just changed   cartridges.)

7.   <u>Data Protect</u> (Most likely you have inserted a locked
      45RM cartridge.)

<u>ADDITIONAL SENSE DATA</u>

The only Additional Sense Data which you may need to know are those two which correspond to a Sense Key 3 error (bad media). Those two are Additional Sense 17 for an error which occurred while the drive was attempting to read data from the media, and Additional Sense 12 for an error which occurred while the drive was attempting to write data to the media.

<u>Summary of Sense Key Errors</u>

If you get an error with Sense Key = 3 and an Additional Sense = 12 or 17, then you may wish to use the "Reassign Block" feature. Please read the online help entry for the "Reassign Block" before using it!