

CHKSUM

CHECKSUM

One option for your DIT-MCO Work Station Software is the Checksum Generator. The Checksum Generator (CHKSUM) guarantees you use the right version of a test program. The program reads the data in a disk resident file and produces a unique four (4) digit identification number (checksum) for that test file.

Each time you execute CHKSUM, it assigns a number to a selected test file. The checksum for a file changes if you change, delete, or add characters, instructions, etc. Use CHKSUM first on a completed test program to produce the master checksum value. CHKSUM applies a formula to each byte of data in a file. The result is a checksum value that is unique to the sequential order, number of bytes, and byte value in the file.

At a later date or each time you run a test, you can run CHKSUM to verify you are using the right version. You can then compare this number with the original number to make sure you do not use a modified test program. You can also automatically capture the checksum to your error log each time you execute your test program. Just use the file directive CKS at the beginning of your error log. CHKSUM is invaluable for ensuring all staff only use the approved version of a test program.

After using CHKSUM, your checksum information is sent to your computer monitor. You can also send it to a file or printer. Your CHKSUM report looks like the below:

```
November 15, 1993 09:39:14 Checksum 22FO, file C:\TESTFILE\TEST.TXT
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CHKSUM offers you the flexibility to run it on single or multiple test file(s). You can also execute CHKSUM in DOS or through a batch process.

