

National Bureau of Standards

DATA ENCRYPTION STANDARD (DES) VALIDATION CERTIFICATE

The National Bureau of Standards has tested the encryption device identified as
AT&T T7000A Digital Encryption Processor and manufactured by
AT&T Bell Laboratories in accordance
with the specifications of the Data Encryption Standard (Federal Information
Processing Standard 46) and in accordance with the procedures specified in NBS
Special Publication 500-20.

The device has passed the DES test and in addition has passed a Monte Carlo test
that lasted four million iterations. For the Monte Carlo test the initial value of the key
was 83BAF27026C745A1 and the initial value of the input
was 6EBE02E3E4F2E396. The final value of the key
was AEF4EF9DE5577629 and the final value of the output was
was 941CD4A4113ACDC0.

Devices bearing the same identification and manufactured to the same design
specifications may be labeled as complying with the Data Encryption Standard. No
reliability test has been performed and no warranty of the devices by the National
Bureau of Standards is either expressed or implied.

4/22/86
Date

Miles E. Smith