



**DATA GENERAL  
CORPORATION**

Southboro,  
Massachusetts 01772  
(617) 485-9100

DATA GENERAL DISK OPERATING SYSTEM RELEASE,  
APRIL, 1972

Revision 05 of DOS provides for a number of software changes and additions. Following is a list of the system dumped tape revision numbers necessary to run system programs under DOS Revision 05.

|   |               |
|---|---------------|
| Assembler, Text Editor, Cross Reference       | 088-000001-04 |
| Relocatable Loader, Debug III (SYS. LB)       | 088-000002-04 |
| System Generation                             | 088-000003-06 |
| FORTRAN IV Compiler, Tape #1                  | 088-000005-02 |
| FORTRAN IV Compiler, Tape #2, CLG, FORT       | 088-000014-01 |
| ALGOL Compiler                                | 088-000006-02 |
| ALGOL Compiler                                | 088-000007-02 |
| Library File Editor                           | 088-000008-02 |
| System Library                                | 088-000016-01 |
| System Library 1A (no magnetic tape software) | 088-000010-01 |
| System Library 1B (magnetic tape software)    | 088-000011-01 |
| Command Line Interpreter Library              | 088-000012-01 |
| Octal Editor, Binary Loader                   | 088-000013-01 |

The absolute binary bootstrap systems provided have the following revision numbers:

|                                   |               |
|-----------------------------------|---------------|
| Fixed Head Disk Bootstrap         | 091-000027-03 |
| Moving Head Disk, Option 4047/ 57 | 091-000053-01 |
| Moving Head Disk, Option 4048     | 091-000058-00 |

DOS Revision 05 reflects the following changes and additions:

1. DOS now supports 7-track magnetic tape drives. Any combination of 7-track and 9-track units may be used to a limit of eight magnetic tape drives. Reading and writing must be at high density.
2. DOS supports movable head disk option 4048 (10-surface disk packs) in addition to movable head disk option 4047/57 (2 and 20-surface disk packs)
3. System program CLG allows a programmer to issue a single command (CLG) that will execute a FORTRAN program or series of programs. The programs may be FORTRAN source programs, compiled programs, compiled and assembled programs, or any combination. CLG simplifies execution of previously debugged programs.
4. The binary loader has been incorporated in DOS as a system program invoked as a command to ease the transition from Nova operation in the DOS environment to stand-alone operation.
5. Program chaining (calling a program overlay without expecting return) has been implemented using .EXEC . The program location counter (USTPC) can be used as the starting address of a program overlay. In addition, up to five levels of overlays are now permitted.
6. The Library File Editor Analyze function now provides more detailed information. Symbol types now include Entry Normal (EN) and Entry Displacement (ED). After each entry there is a list of titles of the records where the entry is referenced. Each external symbol (N and D symbol types) is followed by the title of the record in which it is defined.
7. The Octal Editor now provides for printout of values in ASCII as well as in octal mode.