

PDP-11 MAINDECS

INTRODUCTION

Each option on the unibus that has an address assigned to it has a test of a set of tests;

There is another level of testing that is directed at detecting faulty unibus interaction between devices. These tests will be directed at market areas that create common configurations such as: DOS, RSTS, COMTEX and TYPESET.

For many of the systems we are now marketing there could be as many as forty (40) unique tests (diagnostic tapes).

In most cases it is not necessary to run all of these programs to determine if the system is operational. The test programs directed at testing unibus interaction and market areas should be adequate as a confidence check once the system has been operational. When an error has been detected by these programs, the unique test for that device should be adequate to correct the malfunction.

For systems with DECTape there is a diagnostic package DDP2 that will allow more rapid testing of systems.

The General Test Program (GTP) MAINDEC or the Communication Test Program (CTP) MAINDEC should be the initial program(s) run to determine the status of the system. However, neither of these programs should be considered a total check of the system.

For CTP to operate correctly all floating vector devices must be at the correct vectors.

CTP will check to see that starting at 300, all DC11's were assigned, then any extra KL11's, then any DP11's, then any DM11A's, Etc.

In GTP, it may be necessary to change the vector in the software to test option that have floating vectors.

The following pages contain:

1. INDEX OF MAINDECS, CPU TEST, MEMORY TEST, UNIBUS OPTION
2. SYSTEM CHECKLIST FOR PROBLEM ISOLATION
3. SEQUENTIAL LIST OF ABSTRACTS AND STARTING INSTRUCTION FOR ALL MAINDECS.
Programs are in same sequence as in the Index.