

MAINDEC-11-D9G-

NEW NUMBER = DZDMB

DM11 Data Tests

ABSTRACT

Two separate diagnostic programs are provided for testing the DM11 (asynchronous data multiplexer), MAINDEC-11DZDMA (DM11 logic tests), and MAINDEC-11DZDMB (DM11 multiple line data tests) the logic tests individually test each of the 16 DM11 lines and all common logic. The multiple line data tests run several lines concurrently and are used to test line interaction and data transmission/reception reliability, this document describes the multiple line data test.

The available tests are:

- PRG0 = Data Tests
- PRG1 = Data Test (all lines simultaneously)
- PRG2 = Transmit to Terminals
- PRG3 = Echo Received Data
- PRG4 = Transmit Message

REQUIREMENTS

- PDP-11
- DM11
- Jumpers connecting 16 transmitters to their respective receivers
- Terminals (if available)
- DM11 Distribution panel

STORAGE = Uses all of core (4K) except that area reserved for the loaders.

LOADING = Absolute Loader

EXECUTION TIME = 10 min. (110 Baud) Single Iteration

STARTING PROCEDURE = Start and restart at 200

PRINTOUTS = No

SWITCH REGISTER OPTIONS = Yes

- SW0=6 = ROUTINE TO BE RUN (IF ENABLED BY SW=9)
- SW9 = LOOP SELECTED ROUTINE
- SW11 = INHIBIT ITERATION (DO EACH ROUTINE ONCE)
- SW13 = INHIBIT PRINTOUT
- SW14 = SCOPE (LOOP ROUTINE)
- SW15 = HALT ON ERROR