IDENTIFICATION

PRODUCT CODE!

MAINDEC-08-DHKLD-A-D

(FORMERLY MAINDEC-8E-D2AC)

PRODUCT TEST!

PDP-8/E TELETYPE AND KL8 ASYNCHRONOUS

DATA CONTROL TESTS

DATE

APRIL 6, 1972

MAINTAINER

DIAGNOSTIC GROUP

AUTHOR!

ED FORTMILLER

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PROGRAM DESCRIPTION

8.

1, ABSTRACT

THIS PROGRAM CONSISTS OF A PACKAGE OF TEST PROGRAMS FOR TESTING THE KLB LOGIC (EIA OR CURRENT) AND A TELETYPE, ONLY ONE TELETYPE MAY BE TESTED AT A TIME, THE TELETYPE TO BE TESTED CAN BE A KRS33, ASR33, KSR35, ASR35, OR KSR37.

THE TEST PROGRAMS AREL

PRGG-BASIC TEST OF THE OUTPUT LOGIC (CURRENT AND EIA)
PRG1-BASIC TEST OF THE OUTPUT AND INPUT LOGIC (LOOP AROUND)(EIA)
PRG2-BASIC TEST OF INPUT LOGIC (USES TTY READER)(CURRENT)
PRG3-READER TEST
PRG4-PRINTER TEST
PRG5-PUNCH TEST
PRG6-KEYBOARD TEST
PRG7-COMBINED TEST
PRG10-READER EXERCISER, BINARY COUNT PATTERN
PRG11-PRINTER EXERCISER
PRG12-BINARY COUNT TAPE GENERATOR

- 2. REQUIREMENTS
- 2.1 EQUIPMENT
 - A, PDP-8/E WITH AT LEAST 4K OF MEMORY
 B, FOR EIA A JUMPER TO CONNECT INPUT TO OUTPUT, SEE
 TEST EQUIPMENT 7.3.
 C, KSR33, ASR33, KSR35, ASR35 TO TEST AN 110 BAUD CURRENT OPTION'
- 2,2 STORAGE

LOCATIONS 0000 THROUGH 7600 ARE USED.

3. LOADING PROCEDURE

THE BINARY LOADER IS USED TO LOAD THE PROGRAM, REFER TO THE BINARY LOADER DOCUMENTATION IF UNFAMILIAR WITH ITS USE.

4. USE PROCEDURE

4.1 DEVICE CODE SELECTION

BEFORE ANY PROGRAM CAN BE RUN, THE PROGRAM MUST HAVE THE FOLLOWING INFORMATION:

- 1. TYPE OF TELETYPE (33, 35, OR 37) IF TESTING WITH A TELETYPE 2. DEVICE CODES ASSIGNED.
- 3. BAUD RATE OF DEVICE

TO PROVIDE THIS INFORMATION, PROCEED AS FOLLOWS:

- A. SET LOCATION Ø020 TO:
 - 1. ØØØØ FOR KSR OR ASR 33 TELETYPE
 - 2', ØØØ1 FOR KSR OR ASR 35 TELETYPE
 - 3', ØØØ2 FOR KSR 37 TELETYPE
- B. SET LOCATION ØØ21 AS FOLLOWS:
 - 1. LOAD ADDRESS ØØ21.
 - 2. SET SR Ø THROUGH 5 TO THE DEVICE CODE OF THE KEY-BOARD/READER TO BE TESTED, (EG: READER CODE OF Ø3, SRØ-5=Ø3,
 - 3. SET SR 6 THROUGH 11 TO THE DEVICE CODE OF THE PRINTER/PUNCH TO BE TESTED', (EG: PRINTER CODE OF Ø4. SR6-11=04,
 - 4. PRESS DEPOSIT.
- C. SET LOCATION 0022 AS FOLLOWS:
 - 1. LOAD ADDRESS 0022.
 - 2. PLACE THE FOLLOWING IN THE SRI Ø110 FOR 110 BAUD. OR Ø150 FOR 150 BAUD. OR Ø300 FOR 300 BAUD. OR Ø600 FOR 600 BAUD. OR 1200 FOR 1200 BAUD. OR 2400 FOR 2400 BAUD.
 - 3. PRESS DEPOSIT.
- D. REFER TO INDIVIDUAL PROGRAM USE PROCEDURE.