IDENTIFICATION

Product Code:	MAINDEC-08-D2Q D-D
Product Name:	Family of 8 ASR33/35 Teletype Tests, Part 2
Date Created:	June 4, 1968
Maintainer:	Diagnostics Group

1.   ABSTRACT

The Family-of-8 ASR33/35 Teletype Tests, Part 2 is the second part of a 2 part package used to test the ASR33 or ASR35 Teletype when attached to a Family-of-8 system.

Part 2 contains nine selectable programs numbered from 0 to 10 (octal). The programs are selected by means of Switch Register (SR).

The available programs are:

PRG0	Printer Test
PRG1	Punch Test
PRG2	Keyboard Test
PRG3	Combined Reader, Printer, Punch Test
PRG4	Printer Exerciser. Prints lines of characters stored in LOC 0021 and 0022. No stalls.
PRG5	Same as PRG4, but stalls between characters.
PRG6	Punch Exerciser. Punches and read checks data blocks of data stored in LOC 0021 and 0022. No stalls.
PRG7	Same as PRG6, but random stalls between characters punched.
PRG10	Punch Exerciser. Punches and read checks blocks of Binary Count pattern. Random stalls between characters punched.

2.   REQUIREMENTS

2.1   Equipment

a.   Standard PDP-8/S, PDP-8, or PDP-8/I with
b.   ASR33 or ASR35 Teletype.

2.2   Storage

Locations 0000 through 5173 are used.

2.3   Preliminary Programs

Family-of-8 ASR33/35 Teletype Tests, Part 1. PRG0, PRG1, and PRG2 must have been run successfully.

3.   LOADING PROCEDURES

3.1   Method

The Binary Loader is used to load the program.

4.   STARTING PROCEDURES (PRG0)

4.1   Control Switch Settings (PRG0)

SR0	Halt at end of routine. Routine number in AC.
SR1	Select routine whose number is set in SR6 through SR11.
SR2	Loop program.
SR6 through SR11	Routine number to be selected.

4.2   Starting Addresses (PRG0)

This program starts at LOC 0200.

4.3   Program and/or Operator Action (PRG0)

a. Insure Teletype is on-line.

b. Turn off Teletype reader and punch.

c. Load address 0200.

d. Set SR to 0000.

e. Press START.

f. Program halts at LOC 0232 to permit setting of options.

g. Select desired options, if any, in SR. For normal run SR should be 0000. Press CONTINUE.

h. Program is executed and halts at program end halt at LOC 0274, unless prevented from ending, by SR options.

NOTE

The resulting printouts during execution of PRG0 must be verified visually by user to determine correct teleprinter operation. Refer to Section 9. Program description.

4.A   STARTING PROCEDURES (PRG1)

4.1A   Control Switch Settings (PRG1)

SR0	Halt at end of routine. Routine number in AC.
SR1	Select routine whose number is set in SR6 through SR11.
SR2	Loop Program.
SR5=1	Halt on error. Bad character in AC.
SR5=0	Halt at end of data block. Error count in AC.
SR6 through SR11	Routine number to be selected.

4.2A   Starting Addresses (PRG1)

This program starts at LOC 0200.

4.3A   Program and/or Operator Action (PRG1)

a.   Trun on Teletype punch.

b.   With Teletype off-line, punch a section of blank leader about 6 in. long.   Return Teletype to on-line position.

c.   Load leader on reader, leaving very little slack between punch and reader.

d.   Turn on reader.

e.   Load address 0200.

f.   Set SR to 0001.

g.   Press START.

h.   Program halts at LOC 0232 to permit setting of options.

i.   Set desired options, if any, in SR. For normal run, set SR to 0000. Press CONTINUE.

j.   Program is executed and halts at program end halt at LOC 0274, unless prevented from ending by SR options, or if errors occur.

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