

TEXT LISTING

068-001115-00

PROGRAM

CCP LOGIC TEST

TEXT TAPE

097-001115-00

ABSTRACT

THE CCP LOGIC TEST IS A MAINTENANCE PROGRAM PROCESSING UNIT. IT IS A FUNCTIONAL TEST OF THE LOGIC USED TO IMPLEMENT THE MICRONOVA INSTRUCTION SET. ALSO INCLUDED IS A MINIMUM LEVEL TEST OF THE CPU I/O INSTRUCTIONS, TELETYPE I/O, AND PROGRAM INTERRUPT.

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:0007 .MAIN
01 ? ?11.6.12
02 ? ?
03 ? ?
04 ? ?
05 ? ?11.6.13
06 ? ?
07 ? ?
08 ? ?
09 ? ?
10 ? ?12.
11 ? ?12.1
12 ? ?
13 ? ?
14 ? ?
15 ? ?
16 ? ?
17 ? ?
18 ? ?12.2
19 ? ?
20 ? ?
21 ? ?
22 ? ?
23 ? ?
24 ? ?
25 ? ?
26 ? ?
27 ? ?13.
28 ? ?13.1
29 ? ?
30 ? ?13.2
31 ? ?
32 ? ?

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A CARRIAGE RETURN AND "PASS" IS
 NUM PRINTED TO THE CONSOLE. VARIOUS
 WAIT LOOPS IN THE TIO AND XOR'S
 ARE PERFORMED.
 DTOS IS NOW MONITORED TO DETERMINE IF
 CAT/KITTEN SHOULD BE STARTED, OR IF
 SUFFICIENT PASSES HAVE BEEN COMPLETED
 TO SATISFY ITS REQUIREMENT.

SPECIAL NOTES/SPECIAL FEATURES.
 IF THE PROGRAM WAS LOADED FROM
 DTOS WITH CAT/KITTEN IT WILL
 RUN IT IN THE BACKGROUND AFTER
 ONE PASS OF USING THE TTY
 INTERRUPTS. THE PROGRAM WILL RUN
 MUCH SLOWER, ALLOWING THE CAT/KITTEN
 APLE TIME TO COMPLETE A PASS.
 AFTER THE INITIAL PASS THROUGH THE
 LOGIC TESTS THE SOURCE AND DESTINATION
 OF SOME ALC AND TRAP INSTRUCTIONS
 ARE CONTINUOUSLY INCREMENTED TO TEST
 ALL COMBINATIONS. THEREFORE SOME CODE
 MAY NOT MATCH THE LISTING. CONSULT
 THE MICRONOVA INSTRUCTION REFERENCE CARD FOR
 PROPER INTERPRETATION OF THESE INSTRUCTIONS.

KUNTIME
 THE APPROXIMATE KUNTIME FOR THE FIRST
 TWO PASSES WITH 601 CPU = 1 MIN 40 SEC,
 THE APPROXIMATE TIME FOR COMPLETION OF THE
 FIRST CAT/KITTEN PASS WITH 601 CPU = 3 MIN
 30 SEC.

**00000 TOTAL ERRORS, 00000 FIRST PASS ERRORS