

UNCLASSIFIED

INTERNAL ONLY

CONFIDENTIAL

SECRET

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

CONFIDENTIAL

FROM:

DC-T/CT/OR

NO.

DATE

TO: (Officer designation, room number, and building)

DATE

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

RECEIVED

FORWARDED

1.

CC-E

2.

R+D

3.

4.

EP

12-17

CPA

5.

WJS

12-17

12-17

WJS

6.

R+D

on

How do we stand clearances?

7.

EP

WJS PCV where

File

8.

File

LOCAL REPS

ARE CLEARED,

T.O.3

GROUP BEING CLEARED IS

10.

CLEARANCES REQUESTED 6 OCT 58

11.

OL/SEC WILL ADVISE WHEN IN.

12.

13.

14.

15.

25X1

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25X1

25X1

25X1

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25X1

MEMORANDUM TO THE FILE

4 December 1958

FROM: [redacted]

SUBJECT: [redacted]

Tests

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1. Tests were conducted, during October 1958, between a [redacted] data transmit terminal located in the OC-S vault, "I" Building and a [redacted] data receive terminal [redacted]. Although the signal was relayed over portions of the path through microwave links, the major portion of the path was traversed via program quality telephone lines.

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2. The initial tests were not satisfactory in that the quality of the leased line was below the minimum required, with resultant faulty operation of the data terminals. Once the telephone line was replaced with one meeting the technical specifications the DT/DR terminals operated successfully the majority of the time. In the whole equipment chain the sole major component that suffered from component failure was the [redacted]. The data terminals and the [redacted] printer appeared to function properly, in a technical sense, throughout the tests.

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3. Operationally, the [redacted] printer exhibited characteristics which are considered serious enough to warrant reconsideration of its use as a component of the system. Specifically:

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- a. A large quantity of short lines of text cause the first and possible second letter of the next following line to be missing.
- b. The unit will not respond to incoming line feed functions.
- c. In its present configuration the [redacted] printer is extremely large.

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4. The following two conclusions have been drawn from the above tests:

- a. The [redacted] equipments function in an acceptable manner.
- b. Use of the [redacted] printer will seriously disrupt the processing of the staff traffic as presently prepared both for relay through military channels and internal distribution.

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Page 2

5. We recommend an investigation be conducted as to the advisability of replacing the [] printer with a unit of smaller size that is capable of accepting line feed functions and of printing an unlimited number of short lines without affecting following lines. Such a unit should be capable of operating in conjunction with the [] without any modifications being made to the data terminal.

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Distribution:

4 - OG-E