

DISPOSITION FORM

SECURITY CLASSIFICATION (If any)

UNCLASSIFIED

FILE NO.

SUBJECT Requirements for Administrative Telephone
System at Fort MeadeTO
Chiefs of Staff Divisions
and OfficesFROM
COMDATE
2 Dec 53

COMMENT NO. 1

Capt. A. Enderlin/60230/sml

The purpose of this DF is to determine our definitive requirements with respect to operation of the administrative "black" telephone system which will be installed at the new site. These requirements, when agreed upon, will form the basis for completing technical planning of the system. It is not intended to review the number and placement of telephone instruments to be installed, but rather to determine what we expect to accomplish with these telephones, and the manner of their use. In order to facilitate this study there is inclosed herewith a specimen set of requirements which can be used as a guide for a complete new estimate, or with which you can concur without change, or to which you may suggest any amendments. Your considered reply is requested to reach COM not later than 10 Dec 53.



ARTHUR ENDERLIN
Captain, USN

Incl:

Tentative Requirements, Administrative
"Black" Telephone System

TENTATIVE REQUIREMENTS, ADMINISTRATIVE
"BLACK" TELEPHONE SYSTEM

1. There shall be a private automatic telephone exchange (hereafter referred to as "PAX" for convenience) installed in the main building at the new site, Fort Meade.
2. This "PAX" shall be under direct operational control of the Director.
3. The initial capacity shall be not less than 400 lines, with an ultimate capacity of 600 lines.
4. There shall be direct dial tie-lines between the "PAX" and the following exchanges:

Department of Defense (The Pentagon)
 Arlington Hall Station
 Naval Security Station
 Central Intelligence Agency
 Department of State

Note: Direct dial tie-lines permit dialing directly from an instrument in Fort Meade to an instrument connected to one of the above exchanges, provided the number is known, without the necessity of going through an operator.

5. There shall be tie-lines between the "PAX" and the interdepartmental dial system ("government tandem code").

Note: This permits dialing a code (see page v of the NSA telephone directory) to connect to any of the government switchboards in the area, but an operator will answer.

6. All telephones connected to the "PAX" shall have unrestricted dialing privileges on all the above tie-lines.

7. Direct-dialing tie-lines shall be provided between the "PAX" and the Fort Meade switchboard. Intercommunication between stations on the two switchboards shall be unrestricted, but provision shall be made to prevent unauthorized toll dialing through the Fort Meade board by instruments connected to the "PAX".

8. Foreign exchange direct-dialing tie-lines shall be provided between the "PAX" and a Washington exchange area exchange of the C&P Telephone Co. for the purpose of permitting calls to Washington telephones which are not included in the interdepartmental system.

9. Direct-dialing toll trunks shall be provided between the "PAX" and such C&P toll switching centers as shall guarantee maximum protection

Tentative Requirements, Administrative "Black" etc. (cont.)

against prolonged service interruptions from any cause, through diversification.

10. The "PAX" shall include means for restricting the dialing of calls through the foreign exchange lines and toll trunks to such telephones as may be designated by the Director. The reason for this is that these calls involve additional charges.

11. Provision shall be made for operators' positions to provide operator supervision of toll calls made from restricted telephones, directory service, interception of calls, etc.

12. The principle use of the system will be for unclassified telephonic communication between NSA Fort Meade and various Federal activities in Washington. For planning purposes it may be assumed that:

a. 80% of all calls will be between NSA and telephones in the interdepartmental dial system.

b. 5% of the calls will be between NSA and other telephones in the Washington exchange area,

c. 5% of the calls will be between NSA and Fort Meade.

d. 5% of the calls will be between NSA and other (long distance) points.

e. An insignificant number of calls will be exchanged between instruments in the "black" system, since its purpose is primarily to serve for communication between the Agency and outside points. The "red" system is intended to meet almost all requirements for internal calls, both classified and unclassified.

f. Requirements for personal calls will be met by 58 public telephone pay stations which will be installed in the building.

13. The "PAX" must include provision for making traffic counts, and for monitoring of circuits for the purpose of making security checks.

14. The decision as to whether the "PAX" should be government owned and operated or privately (C&P Tel. Co.) owned and operated under contract will depend upon the relative capabilities of the two proposals to meet all requirements, and upon a comparison of amortized costs. There is no serious security objection against either proposal. The related problem of providing technical maintenance for the "red" telephone system should not be overlooked when considering the relative merits of these two proposals. If the "black" system is maintained by the Telephone Co., should they be given a contract to maintain the "red" system also?