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Communications
DDA 79-0112/4

5 SEP 1979

MEMORANDUM FOR: Director of Data Processing
Director of Finance
Director of Logistics
Director of Medical Services
Director of Personnel
Director of Security
Director of Training

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FROM: [Redacted]
DDA Communications Requirements Coordinator

SUBJECT: Fiscal Year 1981 DDA Communications Requirements [Redacted]

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1. The attachment to this memorandum provides the most current information available concerning the Office of Communications (OC) programming for FY 1981 communications requirements submitted to OC. All Directorate requirements were consolidated in accordance with the criteria established by [Redacted] in DDA 79-0112 dated 9 January 1979. [Redacted]

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2. Immediately following each requirement--see attached-- is a brief description of the communications services and hardware required to satisfy the customer need together with the ZBB level at which appropriate resources were programmed. Unless otherwise noted, Directorate requirements were programmed in the "Other Communications Activities" decision unit. [Redacted]

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3. As a result of Comptroller and Resource Management Staff reviews conducted to date, all enhanced funding levels for "Other Communications Activities" have been excluded from the OMB budget. Said another way, if your requirement was programmed within the current level, OC may yet receive funding. If your requirement was programmed at an enhanced level, OC will not receive funding. In the latter case, you

Downgrade to CONFIDENTIAL
When Separated from Attachments

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WARNING NOTICE
INTELLIGENCE SOURCES
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SUBJECT: Fiscal Year 1981 DDA Communications Requirements

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will need to resubmit the requirement for FY 1982 if it is still valid and has not otherwise been satisfied.

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4. The results of future FY 1981 budgetary actions which impact the requirements remaining in the OC FY 1981 program will be forwarded to you as they become available. Should additional information concerning this memorandum or the attachment be required, please have members of your staff contact the undersigned on Systems Integration Staff, Engineering Division, OC, on secure

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cc: , OC-ED/SIS

Attachment:

Consolidated Listing of FY 1981 DDA Communications Requirements

Distribution:

- Orig - D/ODP w/att
- 1 - ea other Off. Dir. except OC w/att
- 1 - OC-ED/SIS w/o att
- 1 - DDA Chrono w/o att
- 1 - MS/DDA subj w/att
- 1 - MS/DDA chrono w/o att
- 1 - DDA Subi w/att

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MS/DDA:

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DDA FY 1981 CONSOLIDATED COMMUNICATIONS REQUIREMENTS
PLANNING AND PROGRAMMING

PRIORITY-1

1. Assistant for Information

Requirement: Provide data communications between four Delta Data terminals and a hetra printer at the [] Archives and Records Center and the Headquarters Ruffing Center. 25X

Resources : Data circuit between [] modem, multiplexer, and cryptographic equipment; RFI racks and installation hardware. (Other Communications Activities/New Support - Austere-2 level) 25X

2. Office of Logistics

Requirement: Provide data communications between the Headquarters Ruffing Center and minicomputers to be installed at the [] 25X

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Resources : Statistical multiplexers and installation hardware to support the Headquarters [] minicomputer link, and installation hardware to support the Headquarters [] mini-computer link. (Other Communications Activities/New Support - Enhanced-1 level) 25X

3. Office of Logistics

Requirement: Provide secure voice service between Headquarters and the [] 25X

Comment : The DDCI has approved the allocation of a KY-70 secure voice terminal for the [] 25X

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PRIORITY-2

4. Office of Finance

Requirement: Provide communications circuits for anticipated data terminal and minicomputer installations at outlying buildings.

Resources : Data concentrators for Ames, Chamber of Commerce, and Key Buildings. (Other Communications Activities/New Support - Austere-1 and 2 levels)

5. Office of Personnel

Requirement: Provide communications support for the installation of three data terminals at Headquarters.

Resources : Data terminal installation hardware. (Staff Communications - Austere-1 level)

6. Office of Personnel

Requirement: Provide support to upgrade communications between Ames Building and Headquarters.

Resources : Data concentrator for the Ames Building. (Other Communications Activities/New Support - Austere-2 level)

7. Office of Data Processing

Requirement: Provide data communications at 9.6Kb between Headquarters and outlying buildings to support installation of SAFE and new standard ODP terminals. Also to improve the communications transmission network to achieve a goal of .995% average reliability and one uncorrected error per week per circuit.

Resources : Data concentrators for Ames, Chamber of Commerce, and Key Buildings. (Other Communications Activities/New Support - Austere-1 and 2 levels)

8. Office of Data Processing

Requirement: Provide communications support for installation of 140 new standard ODP terminals.

Resources : Data terminal installation hardware. (Staff Communications - Austere-1 level)

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9. Office of Security 25
- Requirement: Provide communications support for installation of an ODP data terminal in the [redacted]
- Resources : Data terminal installation hardware. (Staff Communications - Austere-1 level)
10. Office of Finance 25
- Requirement: Provide data communications from [redacted] Headquarters for data terminal access to the Agency's VM system.
- Resources : Data circuit (19.2Kb) from [redacted] cryptographic, multiplexer, and modem equipment; and RFI racks and installation hardware. (Other Communications Activities/New Support - Enhanced-1 level) 25
11. Office of Personnel
- Requirement: Provide data communications between the fifth and eighth floors in the Ames Building for interconnection of the Correspondence Branch Vydec machines and the Reality minicomputer.
- Resources : Data terminal and line installation hardware. (Staff Communications - Minimum level)
12. Office of Personnel
- Requirement: Provide a data communications circuit on the fifth floor of the Ames Building for connecting the bar stripe reader to the Reality mini-computer.
- Resources : Data terminal and line installation hardware. (Staff Communications - Minimum level)
13. Office of Security
- Requirement: Provide communications at 1800 baud between Headquarters and several outlying buildings to support installation of remote terminals for the Security Access Control System (SACS).

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Comment : Secure circuits can be provided for the SACS requirement, if necessary. The capability to provide such service at most of the Headquarters area outbuildings currently exists. An OC representative will contact OS in the near future to ensure that all technical details of the requirement are identified.

14. Office of Security

Requirement:

[Redacted]

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Resources : STU-IIs for [Redacted] (Other Communications Activities/Secure Voice - Enhanced-2 level)

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Comment : The DDCI has approved the allocation of KY-70 terminals to satisfy secure voice requirements at [Redacted]

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15. Office of Logistics

Requirement: Provide communications support for the possible installation of a minicomputer and terminal in the Building Services Branch, Logistics Services Division at Headquarters.

Resources : Computer and data terminal installation hardware. (Staff Communications - Minimum and Austere-1 levels)

16. Office of Logistics

Requirement: Provide data communications between an ODP terminal at the Headquarters North Loading Dock and the Ruffing Center.

Resources : Data terminal installation hardware. (Staff Communications - Austere-1 level)

17. Office of Logistics

Requirement: Provide a communications link for exchange of data between the OL minicomputer system to be installed at [Redacted]

[Redacted]

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Comment : The requested service can be provided through established communications networks. The [redacted] already has an AUTODIN data interface and, when installed, the OL minicomputer will have access to AUTODIN via DATEX. Preliminary planning for the OL minicomputer-DATEX link has been completed.

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18. Office of Logistics

Requirement: Provide for relocation of telephones, secure and non-secure, and installation of four data terminals at the [redacted]

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Resources : Telephone and data terminal installation hardware. (Staff Communications - Minimum level)

19. Office of Logistics

Requirement: Provide secure voice service between the [redacted] and Headquarters.

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Comment : The DDCI has approved allocation of a KY-70 secure voice terminal for the [redacted]

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PRIORITY-4

20. Office of Logistics

Requirement: Provide total communications support for the new office space (approximately 85,000 square feet) that the Office of Logistics is in the process of identifying for future occupancy.

Resources : Microwave transmission system, leased telephone service, modems and multiplexers, bulk encryption equipment, communications grids, telephone switch and phones, CER equipment and shielded enclosure, emergency generator, and installation contract services and hardware. (Other Communications Activities/New Support - Current level)

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21. Office of Data Processing

Requirement: Provide communications support for installation of five new ODP front-end processors.

Resources : Installation equipment including patch panels and RFI racks, and miscellaneous hardware. (Other Communications Activities/New Support - Enhanced-2 level)

PRIORITY-5

22. Offices of Finance, Logistics, and Medical Services

Requirement: Provide continued OC participation in the CRAFT project so as to program communications resources as the system develops.

Comment : As you are aware, OC has been an active participant in the long-range planning and development of the CRAFT system. OC has a representative on the CRAFT Working Group, has a commitment to provide system maintenance in the field, and is currently assisting with the installation of two CRAFT testbed systems. Furthermore, OC initiatives such as SKYLINK, AFT, and a new project to develop an advanced communications information switching system play an important part in achieving CRAFT objectives. Through efforts such as these, OC plans continued support for full implementation and utilization of the CRAFT system to meet future user requirements.

23. Office of Medical Services

Requirement: Provide secure voice service between OMS Headquarters and four overseas stations - [redacted]

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Comments : In view of current SKYLINK installation scheduling, [redacted] will be the only one of the above cited stations capable of supporting Agency controlled secure voice within the required time frame. However, OC records indicate that [redacted] both currently have access to secure voice via the

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military AUTOSEVOCOM network. An OC representative will contact the OMS Communications Coordinator to discuss the latter and provide contact instructions if it is determined to be a satisfactory alternative.

PRIORITY-6

24. Office of Data Processing

Requirement: Provide communications support for installation of data equipment for the CAMS system including 15 CRT terminals, three read-only printers, and five graphic terminals.

Resources : Terminal installation hardware. (Other Communications Activities/New Support - Enhanced-1 level)

25. Office of Data Processing

Requirement: Provide communications support for the installation of a new CAMS computer system.

Resources : Installation hardware. (Other Communications Activities/New Support - Enhanced-2 level)

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