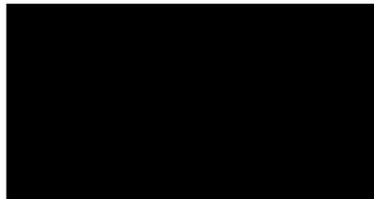


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ODP-0-1356
17 October 1980



STATINTL

MEMORANDUM FOR: Chief, Management Staff, DDA

FROM : 
Chief, Management Staff, ODP

SUBJECT : New Communications Support Requirements for
FY 1983 - FY 1987

REFERENCE : Your Memorandum, Same Subject, dtd. 11 August
1980 (DD/A 80-1492/2)

1. The reference requests prioritized communications support requirements for FY 1983 - FY 1987. Attachment B is the formal ODP response on the required forms. As requested, we have included the following: A description of the ODP requirement; the justification; the time span for the required communications support; and the impact of not receiving the requested OC support. We have also provided the requested ODP prioritization for use in the Directorate ranking.

2. In prioritizing our requirements, we have chosen to emphasize key new initiatives (e.g., CAMS2) and support of existing services over expanding and improving current services. We further emphasized near-term requirements versus out-year requirements. As you well know, any ranking of this type must be considered tentative, and useful in only the most general sense. For example, any sub-requirement, such as relocation of a group of terminals, may under certain circumstances assume a very high priority. With this in mind, a summary of ODP requirements in priority order is presented in Attachment A.

STATINTL

3. Any general questions on the ranking of ODP requirements may be addressed to [REDACTED] of the ODP Management Staff on X5937(B) or 1347(R). For specific questions on any requirement please feel free to go directly to the indicated contact.

[REDACTED]
STATINTL

cc: DD/A
DD/P
C/SPS
C/P&PG
C/P&BG
PO/MS/ODP
C/ED/P/ODP

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ATTACHMENT A

SUMMARY OF PRIORITIZED ODP COMMUNICATIONS SUPPORT
REQUIREMENTS, FY 1982 - FY 1987

1. CAMS2 Development Facility Communications Support (FY 1982).*

Communications support for a 50 person staff in an unspecified outbuilding. (U)
2. CAMS2 Communications Upgrade (FY 1984).

Support for 4-to 10-fold increase in CAMS message traffic. (U)
3. Wideband Bus Communications System (WBCS) Support (FY 1983).

Operations and maintenance of the Headquarter's WBCS. (U)
4. 4C System (Phase II) Worldwide Communications Support (FY 1983).

Extension of 4C communications support world-wide in conjunction with DIA. (U)
5. Installation of COMTEN Equipment in Outbuildings (FY 1984).

Required COMTEN front-end processors will improve error rates between Headquarters and outbuildings. (C)
6. General Headquarters and Outbuilding Communications Support (FY 1983).

Installation and relocation of terminals on the grid and WBCS. (U)
7. Development of Interface between WBCS and COMTEN Processors (FY 1983).

Required for operation of Headquarter's WBCS. (U)

*Initial year of requirement in parenthesis

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8. Automatic Resynchronization of Cryptographic Devices in Outbuilding Circuits (FY 1983).

Required to minimize outages in outbuilding communications. (U).

9. Enhanced Circuit Speed Capabilities (FY 1983).

Required for new equipment types (e.g., plotters, graphics terminals, etc.). (U)

10. Additional Data Lines and Patch Panels in Ruffing and Special Centers (FY 1986).

Required to accommodate projected increase in number of terminals. (U)

NOTE: The requirement for OC to maintain field deployed Delta 7000 series terminals is not included in the ODP submission. It is expected that responsible components, such as the Information Management Staff, DO, will submit these requirements to OC directly. (C)

ATTACHMENT B

DDA RANK: _____ Of _____
OFFICE RANK: 1 Of 10

OFFICE: ODP/Applications/A Division

TITLE: CAMS2 Development Facility Communications Support

REQUIREMENT:

As part of the expansion of the total workforce for the development of CAMS2, an additional secure facility must be leased to house the Development and Integration contract personnel. This facility will require secure voice and secure data transmission facilities for approximately 50 personnel. This facility will be in the [REDACTED] area and should be leased in the next six months. Funds for these secure communications facilities are in the FY 1982 CAMS budget.

STATINTL

JUSTIFICATION:

This facility is necessary to support the development of CAMS2 in response to national collection system enhancements and modifications planned for the 1984/85 timeframe. The Agency simply does not have the space to house this effort.

TIME REQUIREMENT:

Communications support to this facility must be in place not later than January 1982 and continue through FY 1987.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

If this service is not provided, data processing support to enhance CAMS for the new/modified collection systems cannot be accomplished within the required timeframe thus depriving the Agency and the remainder of the Intelligence Community of a valuable and responsive source of intelligence.

CONTACT:

STATINTL

NAME



OFFICE: C/A Division/ODP

TELEPHONE: X6387 or 8817 secure

DDA RANK: _____ Of _____
OFFICE RANK 2 Of 10

OFFICE: ODP/Applications/A Division

TITLE: CAMS2 Communications Upgrade

REQUIREMENT:

The COMIREX Automated Management System (CAMS) is being upgraded for the 1984/85 timeframe. This upgrade, CAMS2, is necessary to support the significant improvement in technical collection capabilities planned during that timeframe. We anticipate a 4-to 10-fold increase in the volume of CAMS message traffic (currently via DATEX). We anticipate the need to use the bulk data transfer capability of Project Mercury as soon as it is available.

JUSTIFICATION:

Increase is due to enhanced national collection systems increases. This requirement was levied upon ODP by PTO/CTS.

TIME REQUIREMENT:

Required no later than 1 April 1984 and through FY 1987.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

CAMS must have a responsive communications network in order to fulfill its mission. We expect to be a heavy user of Mercury and must be able to rely on whatever interim support is being

planned. If the support is not provided, CAMS loses its ability to provide current accomplishment data and quickly task the collection systems.

CONTACT:

STATINTL

NAME:



OFFICE: C/A Division/ODP

TELEPHONE: X6387 or 8837 (secure)

DDA RANK: _____ Of _____
OFFICE RANK: 3 Of 10

OFFICE: ODP/Special Projects Staff and Engineering Division

TITLE: Wideband Bus Communications System (WBCS) Support

REQUIREMENT:

The Office of Communications is to assume operation and maintenance responsibility for the WBCS during the second quarter of FY 1983. In July 1982, the SAFE and WBCS development contractor, [REDACTED] will issue a proposal for providing operations and maintenance support of SAFE and the WBCS through FY 1983. Therefore, while OC will be responsible for operation and maintenance of the WBCS, [REDACTED] may be available to augment that support.

STATINTL

JUSTIFICATION:

STATINTL

The WBCS will be installed and tested during FY 1980 through FY 1982. The WBCS will be placed into operation with the first increment of the SAFE system during the second quarter of FY 1983. Operation and maintenance training will be provided by the SAFE development contractor during the first quarter of FY 1983. The operation and maintenance responsibility by OC is consistent with the WBCS development agreement between ODP and OC.

TIME REQUIREMENT:

Beginning in the second quarter FY 1983, through FY 1987.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

The WBCS is being designed to support the entire Headquarters Building. Lack of this support would seriously degrade SAFE, and other ODP services that will utilize the WBCS.

CONTACTS:

STATINTL

NAME: 

OFFICE: SPS/ODP; Teleprocessing Branch/ED/P/ODP

TELEPHONE: X2665; or 3731 (secure); X6986 or 8822 (secure)

DDA RANK: _____ Of _____
OFFICE RANK: 4 Of 10

OFFICE: ODP/Applications/B Division

TITLE: 4C System (Phase II) World-wide Communications Support

REQUIREMENT:

Maintain Phase I network and extend system communications world-wide in cooperation with DIA communications. Funds for terminal and communications acquisition, installation and first-year maintenance will be budgeted by the Office of Security.

JUSTIFICATION:

Mission required under APEX implementation.

TIME REQUIREMENT:

FY 1983 - 1985: About 12 terminal locations per year.

Operations and maintenance required through FY 1987.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

APEX could not be extended world-wide.

CONTACT:

STATINTL

NAME: 

OFFICE: ODP/B Division

Approved For Release 2001/03/06 : CIA-RDP83T00573R000300010009-2

TELEPHONE: X8338 or 93-0951 (secure)

Approved For Release 2001/03/06 : CIA-RDP83T00573R000300010009-2

ODP COMMUNICATIONS SUPPORT REQUIREMENTS FOR FY 83-87

DDA RANK: _____ Of _____
 OFFICE RANK: 5 Of 10

OFFICE: ODP/Processing/Engineering Division

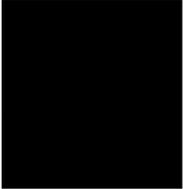
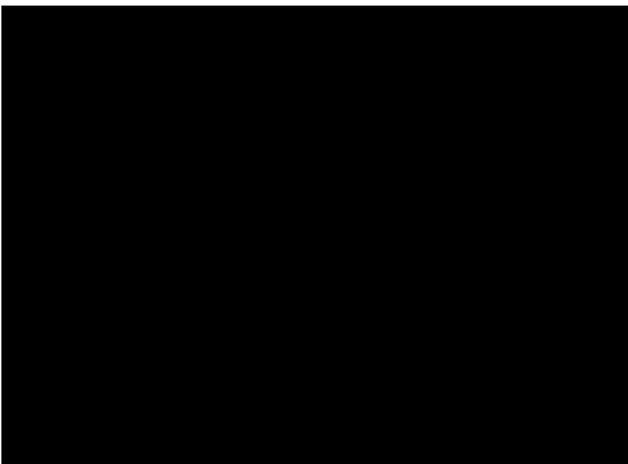
TITLE: Installation of COMTEN Equipment in Outbuildings

REQUIREMENT:

Install COMTEN equipment in outbuildings. ODP will budget for the lease costs for the first year and OC will budget for the following years. OC must also budget for the patch panels and associated materiel.

STATINTL

STATINTL

<u>BUILDING</u>	<u>COMTEN</u>	<u>MONTHLY COST</u> <u>LEASE + MAINTENANCE</u>	<u>ODP BUDGET</u>		<u>OC BUDGET</u>	
			<u>YEAR</u>	<u>YEAR</u>	<u>YEAR</u>	<u>YEAR</u>
			FY 83		FY 84-87	
C of C			FY 83		FY 84-87	
			FY 83*		FY 84-87	
East/South/ Central			FY 83*		FY 84-87	
			FY 83*		FY 84-87	

STATINTL

*Funding constraints may defer installation to FY 84.

JUSTIFICATION:

Installation of COMTEN equipment is required to meet customer requirements for a low error rate.

TIME REQUIREMENT:

FY 83-87 (see above)

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to install COMTEN equipment in the outbuildings will reduce the utility of data processing services because of high error rate.

CONTACT:

STATINTL

NAME:



OFFICE: Teleprocessing Branch/ED/P/ODP

TELEPHONE: X6036 or 8822 (secure)

ODP COMMUNICATIONS SUPPORT REQUIREMENTS FOR FY 83-87

DDA RANK: _____ Of _____
OFFICE RANK: 6 Of 10

OFFICE: ODP/Processing/Engineering Division

TITLE: General Headquarters and Outbuilding Communications Support

REQUIREMENT:

This support includes installing new, non-SAFE devices; general relocation of devices; relocation of devices from the grid to the bus; providing new data circuits; and upgrading existing circuits. To connect the asynchronous and synchronous data processing equipment to the bus, OC must provide Bus Interface Units (BIUs), crypto modules, and relocation support. All devices connected to the grid must be moved to the bus during FY 1984 and FY 1985. This requires approximately [REDACTED] to be moved in each of these years. In addition, 120 new devices must be connected to the bus in each of these and following years. These figures do not include the general requirements to relocate terminals as users move between offices. The attached table provides the details of this requirement. STATINTL

JUSTIFICATION:

The BIUs, crypto modules, and relocation support are necessary to move the data processing equipment from the grid to the bus and to connect newly installed devices to the bus. General installation and relocation support is necessary for users to have access to ODP facilities.

TIME REQUIREMENT:

FY 83-87

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to provide the necessary equipment and relocation services for connection to the bus will prevent ODP from providing additional terminals or new services to customers because the grid is presently filled to near its capacity. Failure to provide the routine installation and relocation services will prevent ODP from satisfying user requests for data processing services.

CONTACT:

STATINTL

NAME:



OFFICE:

Teleprocessing Branch/ED/P/ODP

TELEPHONE:

X6036 or 8822 (secure)

GENERAL HEADQUARTERS AND OUTBUILDING COMMUNICATIONS
SUPPORT (CONTINUED)

<u>NEW INSTALLATIONS</u>	<u>FY83</u>	<u>FY84</u>	<u>FY85</u>	<u>FY86</u>	<u>FY87</u>
--------------------------	-------------	-------------	-------------	-------------	-------------

HQs grid

HQs bus

Outbuildings

TOTAL

RELOCATIONS:

To the bus from
the grid

General

TOTAL



STATINTL

ODP COMMUNICATIONS SUPPORT REQUIREMENTS FOR FY 83-87

DDA RANK: Of
OFFICE RANK: 7 Of 10

OFFICE: ODP/Processing/Engineering Division

TITLE: Development of Interface between the WBCS and COMTEN
 Processors

REQUIREMENT:

Develop and provide interfaces between the WBCS (bus) and the
COMTEN front-end processors presently in use. A sufficient
number of these interfaces will be required to allow
approximately data processing devices to be interfaced from
the bus to the COMTENS. Maintenance of the interfaces is also
required.

STATINTL

JUSTIFICATION:

This interface will be required to allow terminals and other
devices to be moved from the copper grid to the bus.

TIME REQUIREMENT:

FY 83-87.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to provide these interfaces will prevent additional
terminals from being installed because the copper grid is
presently filled to near its capacity.

CONTACT:

STATINTL

NAME: [REDACTED]

OFFICE: Teleprocessing Branch/ED/P/ODP

TELEPHONE: X6036 or 8822 (secure)

ODP COMMUNICATIONS SUPPORT REQUIREMENTS FOR FY 83-87

DDA RANK: _____ Of _____
OFFICE RANK: 8 Of 10

OFFICE: ODP/Processing/Engineering Division

TITLE: Automatic Resynchronization of Cryptographic Devices in
Outbuilding Circuits

REQUIREMENT:

All trunk circuits carrying data processing services to out-
buildings must have the capability for the cryptographic equip-
ment to automatically resynchronize following an outage or other
circuit aberration which caused a loss of cryptographic
synchronization.

JUSTIFICATION:

Some users located in outbuildings experience long outages be-
cause the cryptographic equipment loses synchronization and
remains out of synchronization until OC is notified via tele-
phone. The length of these outages must be reduced from minutes
to a few seconds.

TIME REQUIREMENT:

FY 83

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to provide this capability will reduce the utility of data processing services to users located in the outbuildings.

CONTACT:

STATINTL

NAME:



OFFICE:

Teleprocessing Branch/ED/P/ODP

TELEPHONE:

X6036 or 8822 (secure)

ODP COMMUNICATIONS SUPPORT REQUIREMENTS FOR FY 83-87

DDA RANK: _____ Of _____
OFFICE RANK: 9 Of 10

OFFICE: ODP/Processing/Engineering Division

TITLE: Enhanced Circuit-Speed Capabilities

REQUIREMENT:

ODP requires circuits which operate at the following speeds, in order to support projected ADP requirements.

ASYNCHRONOUS - 300, 600, 1200, 2400, 4800, 9600, and 19,200 bits per second.

SYNCHRONOUS - 2.4., 4.8, 9.6, 19.2, 56.0, and 64.0 kilobits per second.

JUSTIFICATION:

In order to satisfy requirements for new types of equipment and services, the above data rates must be provided by OC. Examples of these requirements are: plotters, color graphics terminals, word processing stations, high volume/high quality printers located in outbuildings, and interfaces with minicomputer installations.

TIME REQUIREMENT:

This requirement will continue from FY 83 through FY 87.

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to provide these data rates would prevent ODP from satisfying customer requirements.

CONTACT:

STATINTL

NAME:



OFFICE:

Teleprocessing Branch, ED/P/ODP

TELEPHONE:

X6036 and 8822 (secure)

DDA RANK: _____ Of _____
OFFICE RANK: 10 Of 10

OFFICE: ODP/Processing/Engineering Division

TITLE: Additional Data Lines and Patch Panels in the Ruffing
and Special Centers

REQUIREMENT:

Additional data lines and patch panels must be installed in the Ruffing and Special Centers to accommodate new terminal installations. This requirement is to install 336 asynchronous and 48 bisynchronous data lines and associated patch panels between the bus Processor Interface Units (PIUs) and the COMTEMS in the Ruffing and Special Centers. If the design of the bus interface allows for direct communications with the COMTEN processors, these additional patch panels and lines will not be needed.

JUSTIFICATION:

These additional data lines and patch panels are required to support the planned installation of new terminals.

TIME REQUIREMENT:

FY 86

IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:

Failure to provide these data lines and patch panels will prevent ODP from providing data processing services to additional users.

CONTACT:

NAME: [REDACTED]

STATINTL

OFFICE: Teleprocessing Branch/ED/P/ODP

TELEPHONE: X6036 OR 8822 (secure)