

12 OCT 1977

MEMORANDUM FOR: Director of Data Processing

FROM: James H. McDonald
Director of Logistics

SUBJECT: Facilities Support for Project CANS

REFERENCE: Memo dtd 23 Aug 77 to D/L fm D/ODP,
subject: Summary of Space and Utility
Requirements (ODP 1631-77; OL 7 3949)

1. Pursuant to your verbal presentation on 2 August and the subsequent referenced memorandum, this memorandum addresses the Office of Logistics' (OL) support for both the interim and separate CANS facilities. A Headquarters Building location has been assumed because of the many unknowns associated with other Government-owned Metropolitan Washington area locations and the high cost of duplicating the CANS communication links already available here at Headquarters.

2. Interim CANS (GC-47) by March 1978:

a. The availability of the physical site within GC47 is entirely controlled by ODP and is already environmentally-conditioned space. Only minor mechanical modifications will be required and adequate 60 Hz electrical power can be supplied from the GJ16 60 Hz UPS system. The required 415 Hz UPS power is to be supplied by the 415 Hz Teledyne frequency converters powered by the 60 Hz ODP UPS system. A backup 415 Hz motor generator set is also required. It should be noted that total power from the 60 Hz UPS system is limited to 1,300 kVA (i.e., the total combination of existing loads and all new additional machine electrical loads in GC03, ID16, and GC47 (fed from B Vault) must be equal to or less than 1300 kVA).

b. It is estimated that \$187,700 is required for the interim CANS renovations assuming that chilled water and 415 Hz power are required for the

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CPU selected (see attachment A for cost estimate details). These funds are required on or before 1 November 1977.

3. Separate CAMS facility by November 1979:

a. Potential CAMS sites within the Headquarters Building are limited by the lack of available power to the northwest quadrant (D Vault) only. A maximum of 300 kVA of electrical power is available for CAMS making allowance for Project SAFE user area support without further major electrical expansion. The major variable in meeting your November 1979 requirement is the availability of additional new-leased space outside of the Headquarters Building to vacate the future CAMS site prior to construction. While efforts within OL are directed to completing construction by 1 August 1979, these efforts are constrained by the GSA-CIA space acquisition cycle.

b. Approximately 9,000 sq. ft. of renovations are required (6,500 sq. ft. + 2,500 sq. ft. for utilities including separate 60 Hz and 415 Hz UPS systems). The budgetary cost estimate for this portion is [redacted] (detailed on attachment A). An initial amount of \$50,000 is required early in FY 78 for the architect-engineer design. The major construction funds of \$1,336,000 will be required in FY 79 (1 October 1978).

4. I look forward to working with you on this interesting Office of Data Processing effort. The Headquarters Engineering Branch, RECD/OL, will continue to be the focal point for facilities support for Project CAMS.

Signed: James H. McDonald

James H. McDonald

Att

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