

SECRET

**HEADQUARTERS
UNITED STATES ARMY SECURITY AGENCY
ARLINGTON HALL STATION
ARLINGTON 12, VIRGINIA**

IADEV

SUBJECT: US Army Security Agency Data Processing

1 MAR 1961

TO: Director
National Security Agency
Fort Meade, Maryland

1. Reference is made to your letter Serial N3614, subject: "Planning Guide for Field Data Processing (U)", dated 22 September 1960.

2. This Agency has conducted a preliminary study of current data handling procedures in the US Army Security Agency. The study disclosed a need for recoverable data storage facilities, considerable duplication of effort at various echelons of processing, human errors, and the need for a capability to corroborate and correlate SIGINT information on a timely basis. The above indicates that current Traffic Analysis, Cryptanalysis, and data handling procedures must be revised so that available manpower, money, and machine processing capabilities are efficiently utilized.

3. This Agency has established a Data Processing program which has as its immediate objective a system study to determine the best possible courses of action to alleviate these problems. A 1401 Automatic Data Processing System will be installed at Frankfurt, Germany during the latter part of FY62. The US Army Security Agency has incorporated the 1401 Automatic Data Processing System requirements into OPINS 10 for FY63. In addition, preliminary budgeting action has been taken to provide a 1401 system for Chief, US Army Security Agency, Pacific and one for the US Army Security Agency Training Center and School during FY63. Contractual assistance in the field of methods and analysis and computer programming will be acquired to assist in the achievement of this program.

4. The "Planning Considerations" (inclosure 1 of referenced letter) was utilized as the basic guide in formulating our course of action. In addition, coordination has been accomplished with GENS-1 for the purpose of determining the applicability of the AFSAV D311 on the . Generally, the US Army Security Agency plan is as follows:

PL 86-36/50 USC 3605
EO 3.3(h)(2)

~~HANDLE VIA COMINT
CHANNELS ONLY~~

SECRET


SECRET

IADEV

SUBJECT: US Army Security Agency Data Processing

1 MAR 1961

- a. Implement an overall system study of US Army Security Agency SIGINT production facilities to determine the scope of redundancy, and to document current methods and procedures.
 - b. Install a 1401 Data Processing System, to include a 1405 Model II magnetic disc storage unit, at Headquarters US Army Security Agency, Europe on or about November 1961. This system will be used as the basic equipment configuration to insure compatibility with the National Security Agency machine aid requirements.
 - c. Develop the necessary procedures and programs to correct noted deficiencies.
 - d. Develop and test new data handling programs which will meet the future requirements of the National Security Agency and US Army Security Agency collection systems.
 - e. Evaluate the results of our findings and present them to the National Security Agency for consideration.
5. Actual "live" operational problems will be tested on the 1401 System after the completion of the system study, and procedures relative to field collection, processing and dissemination are resolved. Following completion of this study, a statement of the problem and proposed solutions will be forwarded to the Director, National Security Agency for evaluation and guidance.
6. Your comments on this plan are solicited.


W. M. BRECKINRIDGE
Major General, US Army
Chief, US Army Security Agency

~~HANDLE VIA COMINT
CHANNELS ONLY~~

2

SECRET

SECRET*Dir*~~SECRET~~

(Basic Ltr: USASA ltr, File IADEV, Subj: US Army Security Agency
Data Processing, dtd 1 Mar 61)

1st Ind

Serial:

N 0970
20 MAR 1961

National Security Agency, Fort George G. Meade, Maryland

TO: Chief, United States Army Security Agency, Arlington Hall Station,
Arlington 12, Virginia

1. This Agency concurs in procurement and installation of IBM 1401 EDPM Systems in certain geographical areas for the purpose of providing more up-to-date data processing facilities to replace currently operational EAM systems. In general, such installations would be capable of combining data processing tasks now being performed at several different sites in Europe and the Far East.

2. With respect to the features of the U. S. Army Security Agency (USASA) plan presented in paragraph 4, subparagraphs a through e, of the basic correspondence, it is recommended that USASA concentrate on studies to determine possible revisions and improvements to those data processing systems in operation at USASA sites. USASA is encouraged to review the techniques and methods applied to machine processing on specific problems, revising and updating these as desirable. The National Security Agency has already instituted and is currently performing long-range studies to develop and test new data processing systems to meet the future requirements of USASA and the other Service Cryptologic Agencies. NSA intends to continue these studies and will keep USASA informed of results therefrom on a continuing basis.

3. On the assumption that the schedule for the procurement of IBM 1401 systems is as stated in paragraph 3 of the basic letter, this Agency recommends revision of the USASA plan for IBM 1401 installations with respect to the priority and location given to the installation at Frankfurt, Germany. The Joint SIGINT Processing Center (JSPC) Sobe, Okinawa is expected to commence operation on 1 January 1962. It is therefore required that an IBM 1401 system be installed as a matter of first priority and ready for operational application on that date. In support of this requirement NSA has now completed a detailed analysis and study of currently operational machine processing tasks which are expected to be performed at JSPC. The pertinent results of this study have been published and are being made available to the representatives of the planning group for the Sobe Center.

~~HANDLE VIA COMINT CHANNELS ONLY~~**SECRET**

~~SECRET~~~~SECRET~~

(Basic Ltr: USASA ltr, File: IADDEV, Subj: US Army Security Agency
Data Processing, dtd 1 Mar 61)

1st Ind (Cont'd)

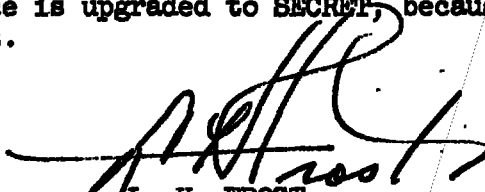
Serial: N 0970

4. Current operational processing tasks on

problems should provide adequate justification for an electronic data processing installation in Europe. Prior to proceeding with the establishment of a center in Europe, NSA in conjunction with USASA will prepare an operational plan for this center. A listing of operational tasks, similar to that which NSA has already prepared for the Sobe Center should be provided to insure effective utilization of the increased EDP capabilities of the center and to support SIGINT program and budget justifications. In addition, such items as availability and adequacy of communications and courier facilities from collection sites to the proposed centralized EDFM site for timely processing and reporting must be considered.

5. With respect to the proposed 1401 installation at the U. S. Army Security Agency Training Center and School, it is the opinion of this Agency that a considerable economic advantage could be realized if the facilities and resources of the IBM Corporation were used for 1401 training purposes. This view is not to be considered restrictive if USASA deems it necessary and otherwise justifiable to directly replace the present IBM 650 system at Fort Devens, Massachusetts.

6. This correspondence is upgraded to ~~SECRET~~, because of the content of this indorsement.


L. H. FROST
Vice Admiral, USN
Director

Copy furnished:
Asst to the Chief, USASA (FM)

PL 86-36/50 USC 3605
EO 3.3(h)(2)

~~HANDLE VIA COMINT CHANNELS ONLY~~

SECRET

~~SECRET~~~~CONFIDENTIAL~~

Serial: N 0970

cc: DIR ←
 AG
 Reading File
 OPS
 PROD-001
 PROD-03
 PROD-04
 MPRO
 ACOM-03
 GENS
 R/D

M/R: The basic letter, USASA IADEV, Subj: US Army Security Agency Data Processing, dated 1 March 1961, outlines USASA plans for procurement and installation of IBM 1401 computer systems, in addition to proposed "systems studies". This indorsement constitutes NSA views toward the USASA plan and qualifies differences of opinions based on current and projected operational tasks and requirements. This reply has been concurred in by MPRO (Mr. T. S. McLauren), ACOM-03 (Mr. J. Groat), GENS-04 (Mr. R. Stewart), PROD-03 (Mr. B. Peters) and read by CUSASA (FM) (Col. Rolle).


 Richard W. Scobey/PROD-0423/3328ST/13 Mar 61/ml

~~SECRET~~