

~~CONFIDENTIAL~~

Memorandum 6M-4227

UNCLASSIFIED 42

OF 75 COPIES
Page 1 of 3

INTERNAL DISTRIBUTION ONLY

Division 6 - Lincoln Laboratory
Massachusetts Institute of Technology
Lexington 73, Massachusetts

SUBJECT: SAGE SYSTEM MEETING, 5 MARCH 1956

To: Distribution List

From: P. J. Gray

Date: 5 March 1956

Approved: William H. Ayer
William H. Ayer

LIN. LAB. DIV. 6
DOCUMENT ROOM
DO NOT REMOVE
FROM
THIS ROOM

- Agenda:
1. Results of ESS Data Circuit Compatibility Meeting
 2. Test Concept Memoranda
 3. AEW with SAGE
 4. SAGE Bomarc Meeting Results
 5. McGuire Installation Planning
 6. F102A
 7. Meetings Scheduled for This Week

CLASSIFICATION CHANGED TO:
Auth: DDSL
By: RE
Date: 4-4-60

DISTRIBUTION LIST

Meeting Attendants

- H. E. Anderson
- J. A. Arnov
- D. R. Aufderheide
- W. H. Ayer
- H. D. Benington
- P. Brager
- D. R. Brown
- W. Canty
- J. Crane
- S. H. Dodd
- R. R. Everett
- R. S. Fallows
- C. W. Farr
- J. W. Forrester
- P. J. Gray
- D. R. Israel
- J. F. Jacobs
- L. R. Jeffery
- N. T. Jones
- H. J. Kirshner

- K. E. McVicar
- B. E. Morriss
- J. A. O'Brien
- W. Ogden
- T. R. Parkins
- J. C. Proctor
- E. S. Rich
- A. R. Shoolman
- N. H. Taylor
- P. Youtz
- C. A. Zraket

Others

- W. Attridge
- D. R. Bailey
- C. Corderman
- C. Grandy
- J. Ishihara
- W. Lone
- J. P. May
- W. Papian
- H. Rising
- A. Roberts
- P. R. Vance

NOTE: ALL OF THE ABOVE TO
RECEIVE COMPLETE MEMO

WHEN SEPARATED FROM ENCLOSURES
HANDLE THE ABOVE PAGE AS UNCLASSIFIED

This document is issued for internal distribution and use only by and for Lincoln Laboratory personnel. It should not be given or shown to any other individuals or groups without express authorization. It may not be reproduced in whole or in part without permission in writing from Lincoln Laboratory.

The research reported in this document was supported jointly by the Department of the Army, the Department of the Navy, and the Department of the Air Force under Air Force Contract No. AF 19(122) 45

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, (Title 18 U.S.C. Sections 793 and 794). Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

6M-4227

page 2

1. Results of ESS Data Circuit Compatibility Meeting

O'Brien indicated that at a meeting held last week, the various compatibility problems in connection with ESS Data Circuits were resolved for the present. The agreements and recommendations which were reached are outlined in Lincoln Laboratory Memorandum 6M-4205, XD-1 Input and Output Compatibility with Remote Equipment in ESS.

2. Test Concept Memoranda

At present, four of the test concept memoranda have been released by TIR. The other four are now in the process of being rewritten. It is hoped that these will be released by the end of this week. If this is accomplished, the release of these memoranda will have been accomplished approximately two and one half months behind the original schedule. One problem has been that the earlier concepts were written in too much detail. Later memos have been more in keeping with the term "concept". There was some discussion as to how much information is being added in the process of writing specifications based on the test concepts which have been released. There was some opinion that working level contact with the engineers involved in generating these specifications might be somewhat more fruitful than an attempt to make an issue of this subject. The question was posed as to whether we have a responsibility for keeping the test concepts up to date. It was generally agreed that had we written these as concepts this would not be a problem. However, since this is not the case, some resolution of this is required. Since this is tied up with the general questions of overall responsibility for SAGE installation, an answer to this question was deferred.

3. AEW with SAGE

A discussion of the proposed "Tight Integration" of AEW with SAGE is to be discussed at the Lincoln Steering Committee Meeting this afternoon. The main purpose of the discussion this morning was to provide information for Division 6 representatives in the Steering Committee Meeting. It was established that no commitments have been made by Division 6 personnel in connection with the integration of AEW.

4. SAGE Bomarc Meeting Results

A joint presentation by the Boeing-Lincoln compatibility study group was made to the Air Force at Wright Field last week. There was general agreement that the technical approach seemed reasonable. However, the question of who is to execute the various parts of the task is very much unresolved. The Air Force is at present giving some consideration to having a third contractor do some of this work. The next step involved is for the Boeing-Lincoln Report to be formally released to the Air Force. After that action, the decision lies with the Air Force. Fallows is writing an account of the meeting held in Dayton last week.

~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

6M-4227

page 3

UNCLASSIFIED

5. McGuire Installation Planning

Morriss and Brager attended a meeting of the On-Site Coordination Committee in New York last week. The possible need for a temporary building at McGuire to house personnel involved in installation, was discussed. Lincoln and WE are to generate numbers of personnel to determine whether such a building is needed. The WE personnel were considerably disturbed to learn that Lincoln is not yet actively working on the generation of systems test specifications. This matter should be cleared up as soon as possible if working relationships in this area are not to deteriorate.

6. F102A Integration

Air Force personnel have expressed concern that the McGuire Subsector will not be able to fully utilize the capabilities of the F102A. A considerable amount of AN/FSQ-7 programming is required to accomplish proper integration. The Air Force Project Office concerned with the F102A have authorized Convair to send ten people here for a period of sixteen months to work with Lincoln personnel to learn the SAGE System. The LPO has suggested setting up a study group to do the basic planning for the F102A integration. This will be a joint Convair-Lincoln effort. The Lincoln contribution will consist of approximately two months of full time participation in this study by Jeffery and Garth of Group 61.

7. Meetings Scheduled for This Week

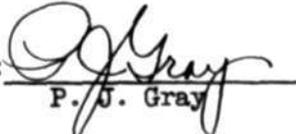
On 7 March 1956, the Lincoln-IBM Coordination Meeting will be held in Kingston, New York. Lincoln participants will be Forrester, Everett, Taylor, Jacobs and Morriss.

On 8 and 9 March 1956, there will be a meeting with Rand Corporation in Santa Monica California, to discuss SAGE Operational Analysis. Lincoln participants will be Jacobs, Israel and Attridge.

The Lincoln-IBM Concurrence Meeting will be held on 8 March 1956 here at Lincoln. Lincoln participants will be Crane and Shorey.

The Production Coordination Meeting will be held on 9 March in Kingston, New York. Participants will be ADES-PO, RAFD, IBM, and Lincoln. Manning will represent Lincoln.

SIGNED:


P. J. Gray

PJG:emt

~~CONFIDENTIAL~~

UNCLASSIFIED