

~~CONFIDENTIAL~~ UNCLASSIFIED

Memorandum 6L-276

PL-BZ-44
Copy # 11 of 20
Page 1 of 4

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

CLASSIFICATION CHANGED TO:
Auth: DD254
By: KRK
Date: 3-15-60

Subject: Group Leaders' Meeting - 10 September 1956
To: Group Leaders and Associate Group Leaders
From: C. W. Farr
Date: 10 September 1956
Present: R. R. Everett, N. H. Taylor, J. A. Arnow,
H. S. Benington, D. R. Brown, W. J. Canty,
C. L. Corderman, N. L. Daggett, S. H. Dodd,
R. S. Fallows, C. W. Farr, D. R. Israel,
J. F. Jacobs, K. E. McVicar, B. E. Morriss,
J. A. O'Brien, W. Papian, J. C. Proctor,
E. S. Rich, and G. E. Valley - Part-time.

Agenda: 8-20-A Computer Reliability
8-20-B Shakedown Tests and Program Assembly
Checkout
8-20-C MTC Tape Units
8-20-E Promotion Policy
8-20-G Space
8-27-D Staff Salaries

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)-458.

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~~ UNCLASSIFIED

~~CONFIDENTIAL~~ UNCLASSIFIED

Memorandum 6L-276

Page 2

ACTION8-20-A Computer Reliability

O'Brien reported improved XD-1 reliability last week -- 87 to 89% usable time -- 3 and 3/4 hours between failures.

Weekly agenda.

8-20-B Shakedown Tests and Program Assembly Checkout

Dodd reported continued work on shakedown test plans -- expects 80% of tests in the air surveillance function will be with tape input -- Group 62 is ordering a second (backup) tape unit for XD-1 -- initial test last week with tape unsuccessful -- difficulty with subsystems test program -- "phase one" tests aimed at shakedown integration of programs-equipment-operators will hopefully be complete by October of 1957.

Rich will attempt to compute shakedown schedule review during the current week.

Rich will work out with Jacobs and Benington the clarification of the boarderline between program checkout and shakedown -- generally Group 67 will checkout programs using simulated inputs in non-real time; Group 64 will conduct equipment-program-operator shakedown tests usually using real data input in a real time situation.

Zraket (newly transferred from Group 61 to 67) will investigate the feasibility of simplified track monitoring program -- (also other possibilities for simplification, including possible cutbacks in the digital display and raid forming programs) and will proceed to carry out such simplifications.

Dodd reviewed decision September 6 to simplify shakedown tests of air surveillance function -- CCS experience favors the substitution of area type track monitoring -- this has been discussed briefly with Janek and Wieser. Arnow indicated possibility of reducing the initial program by 15-20,000 orders and making it available possibly December 1.

Jacobs asked Israel to make a Group 61 study of desirable program cutbacks taking into account Colonel Lee's priority list of functions.

Valley inquired concerning ESS capability of handling inputs from multiple radars. Everett and Arnow indicated program capability for overlap tracking although shakedown will start with a single radar.

Everett and Dodd agreed that CCS is running essentially without Gap Fillers and since operation of ESS with Gap Fillers is probably 9 to 12 months away, this down-

Arnow reported generally on program assembly checkout, quoting from his progress report for week ending 6 September. He acknowledged an improvement in computer

~~CONFIDENTIAL~~ UNCLASSIFIED

~~CONFIDENTIAL~~

Memorandum 6L-276

UNCLASSIFIED Page 3

ACTION

8-20-B (Continued):

reliability during the past week.

Dodd proposes the postponement of system tests on Gap Fillers in order to accelerate shakedown; Gap Filler program checkout could also be delayed.

Valley spoke of the urgency of demonstrating operating capability of ESS with two long range radars.

Dodd expects to start overlap tracking early in December; assembly checkout of the slant range part of the program awaits integration of the height finder package.

8-20-C MTC Tape Units

Dodd and Proctor reported that a firm quotation for the tape adapter frame has been formally requested.

8-20-E Promotion Policy

Benington requested statement of policy concerning the designation of staff personnel carrying major technical responsibilities (differentiated from the line responsibilities of Section Leaders and the non-technical responsibility of administrative staff members).

grading of priority of gap filler shakedown and program checkout is advisable.

Weekly agenda.

Gray and Proctor will carry out the purchase and rental arrangements.

Group Leaders and Associated Group Leaders were requested to bring to the next Group Leaders Meeting prepared statements of problems and proposals for disposition; problems and proposals can then be integrated at the Division level in order that Division management may make further study at the inter-divisional level and assist in the formation of a Laboratory wide proposal.

Agenda 17 September.

~~CONFIDENTIAL~~ UNCLASSIFIED

~~CONFIDENTIAL~~

Memorandum 6L-276

Page 4

UNCLASSIFIED

8-20-G Space

Proctor reported moving of Group 61 from Murphy to Lincoln September 10 leaving Group 66 at Murphy; Group 63 has been moved to Building B basement; IBM is scheduled to move to its building September 22; erection of partitions in Building F is scheduled to start September 24; occupancy date for the first RAND building is still scheduled for October 15.

Weekly agenda.

8-27-D Staff Salaries

Everett reported discussion at Steering Committee August 27, concluding that procedure exists for handling special cases.

None required.

C. W. Farr
C. W. Farr, Secretary

CWF:emt

UNCLASSIFIED
~~CONFIDENTIAL~~