

Memorandum 6M-3426

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

SUBJECT: NOTES ON SYSTEMS PLANNING MEETING OF MARCH 7, 1955 AT 0930E

To: Distribution List

From: J. V. Mazza

Date: 7 March 1955

Approved: B. E. Morriss
B. E. Morriss

I. REPORT ON FSQ-8 - P. Bagley

A. FSQ-8 Committee (Bagley, Housman, Lone) set up the following goals:

1. Develop general equipment specifications by April 1, 1955.
2. Combine efforts with Group 61 to complete general operational program specifications by April 15, 1955.
3. Combine efforts with Group 61 to complete detailed equipment specifications by April 29, 1955.
4. Develop general specifications on standby computer programs by July 30, 1955.

B. A preliminary study was made and is outlined in M note 6M-3388. A rough draft of specifications has been written.

C. The committee is considering the following major problems:

1. Amount of Auxiliary Memory.
2. Amount of Cross-tell Inputs.
3. Display Capacity.

II. SCHEDULES FOR ANCILLARY EQUIPMENT IN THE EXPERIMENTAL SUBSECTOR -
H. Anderson

A. The first composite set of schedules for 1955 were generated two weeks ago.

- B. First two Heavy Radar Sets to be located at South Truro and Montauk Point respectively.
New type UHF Radar to be located at Bath, Maine.
Service test models of AN/FST-2 (XD-1), TT-2, & AEW equipments are being purchased with Air Materiel Command (AMC) Funds.

III. SAGE PERFORMANCE GOALS - R. C. Jeffrey

- A. The SAGE Technical Liaison Committee is making a survey of the ingredients of the first subsector with the object of making an integrated time schedule and an integrated set of performance goals for equipment, personnel, standard operating procedures, etc. Performance can be divided into reliability and capacity (track-handling capacity, weapon direction capacity, etc.).

In cooperation with the Maintenance Program Committee, a formula has been worked out for reliability of duplexed equipment as a function of reliability, repair time, etc., of the halves of the duplex. (M-note is forthcoming.) This formula may be used as the basis for acceptance tests of duplexed equipment, and suggests types of data which should be included in the maintenance records of the Cape Cod, XD-1, and SAGE Systems. Messrs. Herckmans and Ennis of ADES have been working with representatives of Divisions 2 and 6 (C. W. Uskavitch, B. Paine) on a unified system of failure reporting. (See ADES Project Meeting No. 10 on Test and Evaluation of Lincoln System of Air Defense Case 27420 January 13, 1955.

Signed:

J. V. Mazza
J. V. Mazza

JVM:hpm

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