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Memorandum 6M-3360

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

SUBJECT: SAGE System Meeting February 7, 1955

To: See Distribution List

From: P. Bragar

Date: 7 February 1955

Approved:

A. P. Kromer
A. P. Kromer

- Agenda:
1. XD-1 Etched Cards
 2. Changes in D. C. Building.
 3. Status of J. A. O'Brien's Space Requirement Document.
 4. Status of Specifications for Display Cables.
 5. IBM School in Building F.
 6. DDR - DDT Specifications.
 7. Air Transportation to Poughkeepsie.

1. XD-1 Etched Cards

Howard C. Nichols, the head of the Division 7 wire shop, has brought up the possibility of defective XD-1 etched cards based on the Laboratory's previous experience with etched cards made here. Nichols will be asked to check and make a report on approximately 20 standard XD-1 cards with emphasis on the eyelet soldering problem. O'Brien and Paine will jointly follow through on this report, have the same cards rechecked by Division 6 personnel and, if necessary, prepare a report for submission to IBM.

2. Changes in D. C. Building

a. Two holes in the floor rather than one are required for access of console cables. This information has been relayed to Western Electric. The resultant modifications to the detailed layouts specifying the hole locations in the 4th floor of the D. C. building require no structural change.

b. Revision of equipment arrangement on the second floor (computer frame) is required because of the addition of the extra drum frame for the additional auxiliary memory requirements. There are two possibilities: (1) make a complete new layout; (2) relocate frames following present layout plan. It was decided to ask IBM to make revisions to the current layout. This revision should be ready by March 1.

The Production Coordination Office will see that preliminary information from IBM on the revisions is transmitted to Western Electric from IBM as soon as the information is available because this revision may require changes to air duct system and power cabling.

3. Status of J. A. O'Brien's Space Requirement Document

A draft of this document is now ready for Jay W. Forrester's approval. Total space required at Lincoln for the Air Force, IBM, and ADES (WE & BTL) personnel builds up to approximately 35,000 square feet at its peak (during latter part 1955)

4. Status of Specifications for Display Cables

The Systems Office (Buzzard) is studying the problem of the total cable requirements and expects to have a proposal in about two weeks. Based on the original XD-1 requirements, there appears to be a significant increase in the number of cables required for the production display system. Both flexibility and total capacity of the display system will have to be retained despite increased individual console requirements. A good portion of the increase has resulted from the addition of warning lights to the side frames and requirement for more than 40 push buttons on some consoles. Grandy and Shoolman of Group 61

attended a meeting at Poughkeepsie last week at which the warning light and push button problem was discussed.

5. IBM School in Building F

IBM desires space in Building F commencing 1 March to train their production maintenance personnel (Field Engineers). B. Paine has prepared a memo to Jay W. Forrester listing the four rooms believed to be available for this purpose.

6. DDR - DDT Specifications

At a meeting in New York on February 2, Bell Telephone Laboratories was requested by the Air Force to furnish the specifications on the data transmission equipment as visualized by Bell Telephone Laboratories to allow consideration of purchase of this equipment by the Air Force from another organization. Bell Telephone Laboratories agreed to get this information to the Air Force in about two weeks. To permit the Air Force to determine relative cost of purchase vs. rental from Bell System, the quantity of DDT's and DDR's in subsectors 1 and 2 must be considered. There is some question as to the accuracy of the figures developed by AT & T Company. This appears to arise from a misunderstanding of the input and output system of the Q-7. The Systems Office (Kirshner) should contact AT & T and determine proper quantities.

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7. Air Transportation to Poughkeepsie

The DDL office has asked whether or not the Lab should enter an agreement guaranteeing the use of a private airplane for a minimum of 250 hours a year. This plane would be purchased by a charter flying service on the basis of such a Lincoln Laboratory guarantee, together with a similar guarantee from one other organization, possibly Arthur D. Little. It was noted that future travel to Poughkeepsie would in all likelihood continue as in the past in spite of the fact that the XD-1 equipment and many IBM men have moved to Lexington.

SIGNED:


P. Bragar

PB:mmc

Distribution:

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