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Memorandum 6M-3407

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

SUBJECT: SAGE System Meeting February 28, 1955

To: See Distribution List

From: P. Bragar

Date: 28 February 1955

Approved:

  
A. F. Kromer

- Agenda:
1. SAGE Experimental Subsector Approval Committee Meeting
  2. Mark X
  3. Computer Time Cycle
  4. Auxiliary Memory Drum Meeting
  5. Engineering-Installation-Phasing Committee Meeting
  6. Procedure for Getting Air Force Comments and Approval of Specifications

1. SAGE Experimental Subsector Approval Committee Meeting

The first of a series of Approval Committee meetings will be held on 2/28/55. This committee will provide the frame work for formalizing plans and schedules to XD-1 and the experimental subsector, as well as approving changes to previously agreed upon plans. The detailed work of presenting proposals will be done by the planning section of the Systems Office. Any changes to equipment flow schedules and other aspects of the XD-1 program will require signed approval by all concerned prior to committee approval.

2. Mark X

The logical difficulties previously experienced with the Mark X have been corrected, and the equipment is now operating satisfactorily.

3. Computer Time Cycle

The computer time cycle for AN/FSQ-7 is now being developed on the basis of 1954 Cape Cod measurements and anticipated SAGE operational requirements.

4. Auxiliary Memory Drum Meeting in New York on 2/24/55

a. Lincoln's study of the auxiliary memory requirements was presented with CRC support. Based on preliminary study of the problem, IBM indicated

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that the inclusion of the extra drum frame would cost about \$400,000 per Q-7 and \$277,000 Engineering and Start-up expense (one short item). The change will result in a one month delay in the delivery of the first and some undetermined number of consecutive systems. Western Electric indicated that there would be no time delay in building construction plans as a result of the change, and that very slight change cost would be involved. The Air Force gave verbal approval to IBM to go ahead with plans to supply the extra drum frames, with official approval to follow shortly. Consideration of the needs for auxiliary memory drum frames in the AN/FSQ-8 will be deferred pending a Lincoln report on the requirements which is due on March 30. The C.C. building plans, however, will include facilities (cooling ducts, access holes) for the additional drum frames.

b. IBM stated that an extra drum frame for auxiliary memory could be installed in XD-1 by February 1956 if it is authorized within one month.

5. Engineering-Installation-Phasing Committee Meeting

a. A program was set up for the Equipment Installation and Systems Test and Evaluation subcommittees to meet jointly to evaluate the effect on the schedule of the added drum frame, and work out a revised program if necessary. The report of this group is to be available in two weeks (3/10/55).

b. IBM indicated that more total time than currently scheduled may be available for programmers use of the Q-7's in the Kingston test cells after #1. (Possible twelve weeks as against currently scheduled nine weeks).

c. All groups were requested to study the dollar cost of completing the required work in the eight month period, using more personnel, overtime, equipment, etc., than would be required on a "single shift" operation. Preliminary estimates of the added cost will be presented at the Status and Progress Meeting of March 8.

6. Procedure for Getting Air Force Comments and Approval of Specifications

Request for comments and approval of specifications by the Air Force (or other agencies) should be forwarded through the PCO. A letter from Jay W. Forrester to ADES will be prepared where such action is deemed necessary. In general, Air Force personnel should be requested to participate in discussions regarding those areas in which the Air Force is experienced and on which their personnel is working.

SIGNED:

  
P. Bragar

PB:mmc

Attachment: Distribution List

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Meeting Attendants

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J. F. Jacobs  
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B. E. Morriss  
B. B. Paine  
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P. Bragar

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