

Memorandum 6M-3098

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

SUBJECT: Group 62 Section Leaders Meeting, October 8, 1954

To: Division 6 Group Leaders, Group 62 Staff Members,  
Group 64 Staff Members (Lexington only) and H. Wainwright

From: A. P. Kromer

Date: October 13, 1954

Approved:

N. H. Taylor / ks  
N.H. Taylor

Abstract: Central display equipment for production systems will be engineered by Ralph Mork at IBM Vestal. Plans for manufacture of certain portions of the system by IBM will be crystalized this week. Technical discussions regarding DDR and DDT are continuing.

1. Display

Discussions with IBM this week have led to the conclusion that the Central Display system (Fallows' work) for production systems will be handled by IBM at Endicott under Ralph Mork. Further consideration will be given to having this same group work on the projection display also.

2. Source of Supply for Production System Items

Consideration is being given to the several items indicated on the recent Equipment List, 6M-2622-2, as IBM-? under the column headed "Proposed Source" and a decision regarding whether or not IBM will definitely be the source for these items is expected by Wednesday, October 13.

3. Design Changes

A joint study to provide a program and the associated manpower to handle the anticipated number of design changes expected to be necessary in the system between now and the operational date for the first production system. A number of these will require expedited handling when they arise. Thus, a flexible plan for coping with this problem is required.

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4. DDR - DDT

At the meeting this week IBM - MIT proposed for Bell System consideration that the telephone company provide a second block black box (one in addition to the actual DDR or DDT) which on the transmitting end, will convert the signal from the digital equipment into the proper levels for use by the telephone lines and, on the receiving end, reconvert the output of the DDR into pulses of the proper relative amplitudes to be usable by the AN/FSQ-7 equipment. At some future time it is probable that the function of this second box would be designed and built into the FSQ-7, but initial installations would be handled in the manner mentioned above. Bell System people are considering this proposal and it is planned to have another meeting on Thursday, October 14 to review and finalize this and other technical questions.

The DDR and DDTs may be located at the telephone company central office with a loop facility connecting this equipment with the P site or gap filler location. At the Direction Centers, however, it is expected that the DDRs and DDT will be physically located in the DC building communications equipment area.

Signed: \_\_\_\_\_

  
A. P. Kromer

APK/rb

cc: R.P. Crago )  
C. Lynch ) IBM