

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

SUBJECT: Group 62 Section Leaders Meeting--August 23, 1954
To: Division 6 Group Leaders; Group 62 Staff Members
From: A. P. Kromer
Date: August 26, 1954

Abstract: Concurrence with IBM is scheduled for display system and MRI specifications. MTC has been reassembled and will be fully operational by September 1. Components of the 13 most frequently used circuits are to be released for ordering (for 2 Production Systems) in September. First floor equipment layout for production systems is being finalized. Requirements for Power System for production system has been released through the Production Coordination Office.

1. Concurrence Meetings on XD-1 System

- a. Thursday 8/26 at Lincoln - discussion of specifications for display system.
- b. Tuesday 8/24 at IBM - discussion of specifications for MRI with particular attention to display of FGD at Direction Center (for boundary marking or discrimination).
- c. Specifications for warning light system to be discussed if suitable conference can be arranged this week by the Systems Office.

2. MTC

The reassembly and modification of the MTC following the move from Cambridge is essentially complete. It is expected that by September 1 the enlarged system will be capable of the same caliber of operations as the original equipment prior to the move. The move started May 24.

Eight orders have been completely de-bugged as of August 23. Power is in all equipment and the new air-conditioning units are operating.

Plans to lease an IBM Type 513 machine and operate this with MTC are being completed. This will be used in connection with studies of weapon control being made by Arnow's people.

3. Basic Circuits

Following the conference several weeks ago, work has been completed and engineering concurrence is expected this week on the new Flip-Flop circuit tailored to the characteristics of the Z2177 tube. The remaining 12 most commonly repeated basic circuits are considered generally satisfactory. Therefore, these and the new flip-flop circuit can be released for ordering of parts (components) by September 1.

In addition to the above, release of specifications for the various components is required. Paine & Watt are working with IBM so that this information can also be available about September 1. The IBM schedule for production machines calls for ordering components by October 1 for 95% of all the different cards of circuits in the system and for 80% of the total number of applications for each of these circuits.

4. Personnel & Space

Each section is to review its total personnel and space requirements (present on hand plus future additions) and prepare this data for submission to N. H. Taylor within the next week or 10 days.

5. First Floor Layout - Equipment Arrangement - Production System

Ben Morriss has been working with IBM to establish an estimated maximum length for the various frames of equipment. This is about completed and a layout of this equipment will be reviewed and concurred by Wednesday 8/25. Following this a Production Coordination Office release of this data and layout will be made to ADES to serve as the basis for architectural design of the building, and air cooling duct system.

6. Power

The Production Coordination Office release TIR 1-11 has been made covering the power generation system for production systems.

Engineering discussions between IBM, Lincoln, and ADES (with Burns & Roe) are scheduled for this week to lead to a conclusion regarding the power distribution system and principle voltage level (2400v or 480v). This will be processed for concurrence and Production Coordination Office release immediately after a joint recommendation is prepared.

7. Concurrence Procedure

A suggested change in the concurrence procedure used for XD-1 during the past few months is being considered. In the interest of standardization, use of the Technical Information Release procedure processed by the Production Coordination Office has been suggested in place of the Lincoln letter to IBM.

APPROVED FOR PUBLIC RELEASE. CASE 06-1104.

Memorandum M-3002

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8. Exhibit AFCRC-1 for XD-1 System

IBM have requested restudy of this document to clarify the several recent additional items now included in amendments. This will be done on Thursday, August 26.

Signed:


A. P. Krumer

Approved:


N. H. Taylor

APK:ero

cc: J.W. Forrester
R.R. Everett
C. Lynch (IBM)
R. Crago (IBM)
J. J. Gano
B. Morriss