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Memorandum M-2767

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By: RR. EVERETT
Date: 2-1-60

Division 6 - Lincoln Laboratory
Massachusetts Institute of Technology
Cambridge 39, Massachusetts

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SUBJECT: PROGRESS REPORT FOR AN/FSQ-7 - 9 April 1954
To: J. W. Forrester, R. R. Everett, Division 6 Group Leaders
From: P. J. Gray
Date: April 9, 1954

1. Status of Construction Activity

Pluggable unit manufacturing for XD-1 and XD-2 is underway and some pluggable unit testing has started. XD-2 DC power supplies and motor generator sets are in process of installation along with the additional cooling facilities required for Plant 2. Module C of the instruction control frame is expected to be the first module completed and made ready for frame test.

2. Duplex Central Program

In order to meet the desired delivery schedule of 28 months for the first duplex central, IBM has indicated that their general program for the release of information to the manufacturing department will be as follows:

- A. Magnetic cores and planes - May 1954
- B. Electronic components and heaters for plug-in units and frames - October 1954
- C. Basic circuits and etched card layouts - January 1955
- D. Wiring information for frames and interconnection of frames - Spring 1955

Periodic meetings of the duplex central planning group are continuing and a draft of the initial proposal for the duplex central is to be prepared and distributed for comment about May 1.

3. Drums

Agreement has been reached as to the organization of the input drum fields to handle input of Mark X, automatic height finder, and Fine Grain Data (from heavy radars).

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4. Display

A decision has been reached to use 5" Typotron tubes for DID purposes in XD-1 and XD-2. Action is being taken to prepare specifications and negotiate for the purchase of the required number of these tubes.

5. Power

Lincoln has negotiated purchase from Westinghouse of an additional 150 KVA transformer for the XD-1 location. This will provide the power required in addition to the two 500 KVA transformers ordered some time ago. All major items of power equipment are now on order with delivery indicated in time to suit the requirements of the XD-1 installation schedule.

6. Lincoln Approvals and Concurrence

The following items have been covered by Lincoln Approval letter:

- A. Radar input counters
- B. Use of 5" Typotron for DID display
- C. Revision of equipment layout for first floor XD-1 building
- D. Capacity of system to accept Mark X by fine grain data and automatic height finding data
- E. Specifications for maintenance console
- F. Specifications for output frame
- G. Specifications for area discriminator
- H. Specifications for warning lights
- I. Specifications for power supplies

The following items have received EDO-SO concurrence:

- A. Specifications for the selection control frame
- B. Proposal for method of handling DID display
- C. Mode of operation for IBM card machines (711, 716 and 721)

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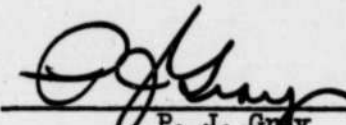
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6. Lincoln Approvals and Concurrence (Continued)

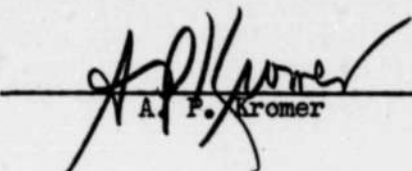
- D. Layout of equipment for second floor of XD-1 building
- E. Design of false ceiling for first floor of XD-1 building to accommodate interframe wiring.

Signed:



P. J. Gray

Approved:



A. P. Kromer

PJG:hpm

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