

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

SUBJECT: AIR FORCE JOINT COORDINATION MEETING AT IBM ON JANUARY 13, 1955

To: A. P. Kromer

From: C. W. Watt, Jr.

Date: 19 January 1955

Approved: B. E. Morriss
B. E. Morriss

Those in attendance:

C. A. Rice	IBM Scheduling	G. Solomon	IBM WHQ
F. Moore	IBM Scheduling	J. Fraser	IBM Mfg.
P. K. Philhower	A.F. Prod. Office	F. Paul	IBM Mfg.
C. F. Lynch	IBM Prod. Eng.	D. M. Gallagher	WE Co. N.Y.C.
C. Watt	MIT Planning Group	G. Cullen	IBM Mfg.
J. F. Martell	AF Camb. Res. Cent.	Major D. H. Vlcek	ADES Project Office
M. R. Zale	RAFD	Lt. F. Harding	ADES Project Office
R. J. Whalen	IBM Manufacture	Mr. Widmaier	NYAPD
Major Zaney	AF Prod. Office	R. V. Baylis	AF Contracting Off.

This meeting, which was conducted for the benefit of the Air Force, was led by Mr. Fraser of IBM. The speakers were: P. Beeby of IBM, discussing XD-1 and XD-2; C. F. Lynch of IBM, discussing the production engineering activity; and R. J. Whalen of IBM, discussing the manufacturing activity; F. Paul of IBM also spoke briefly on the production control function of the manufacturing organization.

1. Beeby discussed the XD-1 and XD-2 progress. Although the equipment that was shipped to Lexington was shipped on schedule, quite a bit more remains to be shipped, and much of it is behind schedule. The reasons for its being late were listed as manpower shortages, underestimation of time required for cabling, and the growing concept of the job. Corrective action is being taken, which, it is hoped, will allow some time to be picked up. This consists of having three shifts operating in Lexington in installation and testing; in the testing of the output and crossteling frames on the XD-2 in Poughkeepsie, which it is hoped will make up one month of time; and increasing manpower, coupled with more overtime. All of XD-1 will be shipped by July 1 and all will be tested for systems operation by October 15. Lt. Harding asked why the drum system was late; the major factor in its delay was cabling and a minor factor was adjustment of the drum heads. The drum will be shipped Feb. 15.

The delays in the GFI and in the DDT and DIR are being expedited by increased manpower, and by speeding up the release process.

2. C. F. Lynch discussed the production engineering aspect of the work for the duplex machine. The release of parts for the duplex machine is substantially on schedule. The electronic component release is ahead of schedule and certain hardware items are behind schedule. Production engineering and manufacturing is using the number of part numbers as a measuring stick for indicating progress. They estimate that a total of 15,000 part numbers will be released for the duplex machine. Of these about 2,000 have been released.

3. R. J. Whalen spoke on the manufacturing activities. The first assembly of the duplex machine started January 11. This was the assembly of plane frames. The first ones assembled will use the XD-1 design because moulded plane frames have not yet been received from the fabricators. 800,000 cores have been received and 100,000 have been tested and are now in stock. Cards are now being produced that will go into the pluggable unit assemblies and 14 special tools for the pluggable units are being fabricated. These are on schedule. A single cavity mould for the duplex pluggable unit connector has been made and delivery of connectors will start about February 1. Production from the single cavity mould will be about 6,000 connectors per month. This is not adequate of course for full-scale production and as soon as the design is proven multiple cavity moulds will be used. In procurement, about 1,000 purchase orders have been placed for parts and equipment for the duplex machine. Orders were placed December 30 with GE for Kingston test cell power supplies with May 1 delivery indicated. Orders for switchgear for Kingston will be placed soon with delivery of April 15 indicated. A planning committee for procurement has been formed which will try to expedite procurement of all parts and to break procurement bottlenecks as they appear. Visits to suppliers will be made by representatives of Production Control, Procurement, and the Components Group.

During February all of the production people at Plant 2 will be moved to Kingston, a total of some 670 people; about 80,000 square feet of space will be occupied.

The automatic assembly machine being made by General Mills will be delivered at Kingston early in February. The progress indicated above was shown on schedules posted to January 1. These will be maintained and, according to Mr. Fraser, will not be changed. Copies of these schedules were requested and will be sent to us although for security reasons we could not take copies when we left.

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The next Joint Coordination Meeting will be held in Kingston on March 3, 1955 just prior to the next ADES meeting. The Air Force people particularly requested that these meetings be held before rather than after the ADES meeting.

Signed:



(C. W. Watt, Jr.

CWW:hpm

cc: P. Gray
S. H. Dodd
T. R. Parkins
P. Bragar
B. E. Morriss
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