

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

SUBJECT: MINUTES OF THE IBM-DCO CONCURRENCE MEETING NO. 56 HELD AT
LINCOLN LABORATORY 15 MARCH 1956

To: S. H. Dodd and N. H. Taylor

From: J. Giordano

Date: 16 March 1956

Approved: J. D. Crane
J. D. Crane

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Present:

<u>IBM</u>	<u>MIT</u>
R. A. Imm	J. D. Crane
J. J. Coughlin	R. H. Gerhardt
R. J. Paddock	J. Giordano
F. A. Behnke	R. R. Shorey
W. S. Squire	E. L. Smiley
P. Longo	

The minutes of concurrence meeting #48 were reviewed and approved. Minutes of concurrence meeting #55 were approved with the change that S-15 had received concurrence.

Items Concurred (Prototype)

P-259, G/G Message Rejection for XD-1, which modifies existing output specifications to conform with the method used in the output section, received concurrence intact.

P-189-1, Production LRI Monitor Control Equipment to be Used With XD-1, received concurrence with revisions spelled out in the concurrence letter. This change will be incorporated after the initial operation of ESS is realized.

P-227-2, Satellite Control Cable Assembly for XD-1, which is a method of controlling the computer action when marginal checking the display frames, received concurrence intact. This change will be incorporated after the initial operation of ESS is realized.

P-277, Automatic Shutdown of Power to Display Consoles, which shuts down power to all display consoles when air conditioning drops to 50% of operating capacity, received concurrence intact. This change is considered necessary for the initial operation of the ESS.

P-279, Concurrence on Operate Instruction 30, which permits the computer to communicate with Raydist, received concurrence intact. This change is considered necessary for the initial operation of the ESS.

P-275, Change in the LRI Frame, which prohibits P/L words with missing sync pulses from getting onto the LRI drum, received concurrence intact. The DCO is investigating whether this change has a direct affect on the initial operation of ESS.

P-276, Change Positions in the CP DD Desk, Building F, was deferred until after the initial operation of ESS.

P-294, Immediate Read Mode for Auxiliary Drums on XD-1 was rejected due to the extent of development of the ESS Air Defense operational program. However, this is a type change which will be considered in future improvement studies.

Items Discussed

The XD-1, XD-2 Crosstelling question was discussed. The DCO requested details from the IBM planning group concerning IBM overtures for XD-1 XD-2 crosstelling. It was brought forth that BTL via IBM desires to test prototype models of production DDR & DDT's by crosstelling between XD-2, XD-1 and Test Cell #1. The IBM planning group will further investigate as to the origin and details of this scheme.

DC-CC Input Switching. The problem of input switching to DC and DC-CC sites was discussed. It was decided by IBM to treat a DC-CC site type input switching the same as input switching from a remote DC or CC site (i.e. all input switching will operate in the same manner). An IBM forthcoming S-note will specify that switching for the FSQ-8 will be identical to the FSQ-7 switching.

D-32-4, Change to the Concurrence Letter for the Specifications for the Duplex Maintenance Console, which gives an audible alarm with each alarm indication, was discussed as to IBM's intention to make this a retrofit change in DC-1 because it is an ECP item. The DCO will further investigate as to what functions activate this alarm.

D-35-3, Changes in the GFI Counter Frame, was discussed. The excess target alarm circuit section of the specification is objectionable to Lincoln. However, it was brought out that D-35-3 just clarifies the existing equipment. The DCO will compare D-35-3 with the original specification prior to concurrence.

A separate specification will be prepared on the excess target alarm circuitry when information is made available by IBM Group 61.

S-30, Command Post DD Desk Specifications for AN/FSQ-7 and AN/FSQ-8, was deferred until the next meeting.

Alternate Writing Surface for CP DD Desks of edge lite plastic will not be designed or provided by IBM until an operational request justifies their need. Lincoln will investigate the operational need of these writing surfaces in order for IBM to either delete or retain reference to these alternate writing surfaces in S-29 and S-30.

Normal Area Assignment Switch was discussed. Lincoln would be agreeable to any proposal to replace the expansion off center control panel with rotary switches, which will also serve the purpose of a Normal Area Assignment switch, until a mechanical redesign of the front panel was accomplished.

AN/FSQ-7, Console Equipment and Label Layouts memoranda were discussed as to the amount of letters to be used in labels.

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The possibility of using 11 letters and periods if at least one letter is an I or period, rather than the agreed maximum of 10 letters will be investigated by IBM.

Magnetic Tape Reliability. The DCO is monitoring the work of C. Watt on XD-1 tape reliability to see if his results might be applicable to duplex tape studies.

TIR's. A reproducible copy of TIR's releasing MRL's and specifications will be sent to W. A. Dager at IBM in order to facilitate ECP processing.

Signed:



J. Giordano

JG:jg