

Memorandum 6M-3434

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

SUBJECT: MINUTES OF IBM - LINCOLN CONCURRENCE MEETING NO. 17

To: S. H. Dodd

From: B. E. Morriss

Date: 8 March 1965

Approved: 
S. H. Dodd

Abstract: D-60, Input Channel Switching Specifications for AN/FSQ-7,
and D-51-1, Crossteling Input Specifications, Duplex Central,
were concurred upon. A draft of 6M-3411, Output System Speci-
fications for the AN/FSQ-7, was discussed and, except for a
few minor items which could not be resolved, was acceptable.

Present: IBM

D. C. Ross
H. J. White

MIT

A. D. Hughes
B. E. Morriss
H. K. Rising
A. M. Werlin

1.0 LONG-RANGE RADAR INPUT WORD LAYOUT

The meeting started with a discussion of the ability or inability to change the long-range radar input word layout in the future. A previous specification, 6M-3276, indicated that the wires from the individual cores would pass through something equivalent to edge connectors so that layouts could be easily changed. D. C. Ross pointed out that this portion of the specification might not be reasonable because there were not enough edge connectors and more important the added capacitance to the mixer was not desired. H. J. White indicated that the layouts could be changed by plug-in unit changes or back panel wiring and this should be adequate. The subject was tabled pending a report from C. E. Walston and the input people stating what the present situation is and the difficulty which would be involved in making changes in word layouts in the future with the present method of construction.

2.0 INPUT CHANNEL SWITCHING

D-60, Input Channel Switching Specifications for AN/FSQ-7,

was discussed and agreed upon with minor changes to the document. These changes were made to stress the point that all input channels of the same type may not have dual phone lines and the switching system incorporated in the inputs must work equally well with one or two phone lines per input channel.

3.0 CROSSTELLING INPUTS

D-51-1, Crosstelling Input Specifications, Duplex Central, was discussed and concurred upon with minor changes in nomenclature or clarification and the changing of the real time counter from five bits to six bits, so that it will be reset every sixteen seconds instead of eight. It was again pointed out that the method of handling weapons status reports is not definite this time, and therefore, more than the present maximum of twelve input channels may be required in the future. A number of minor modifications have been previously proposed for the crosstelling input system, and the initial specification will be followed in the near future by a supplement indicating those items which shall be incorporated on a not-to-delay production basis. Some of the items now being considered are switchable identity for the spare channel, a readout failure alarm flip-flop per channel, and a parity rate alarm.

4.0 OUTPUTS

A draft of 6M-3411, Output System Specifications for the AN/FSQ-7, was discussed and with minor changes in wording was agreed to be acceptable except for the portions referring to the switching for testing and monitoring. The two main unresolved items were:

- a. Whether it would be desirable and possible to pass to the DDT's the outputs of the standby output system so that they might be used for testing DDT, phone lines, and remote receivers without interrupting the operation of the active computer.
- b. Whether it was desirable to have the teletype monitor able to monitor the output of the active computer as well as a standby computer.

The outputs committee will work on these items this week, and it is hoped that at the following concurrence meeting that they will be resolved.

Signed: B. E. Morriss

B. E. Morriss

BEM:FJE

	<u>MIT</u>		<u>IBM</u>
Distribution:	J. V. Harrington	H. K. Rising	M. M. Astrahn
	A. D. Hughes	A. M. Werlin	D. C. Ross (4)
	J. F. Jacobs		H. J. White (Linc.)
	J. P. May		