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Memorandum 6M-3851-1, Supplement 1

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

SUBJECT: MASTER REFERENCE LIST OF EQUIPMENT SPECIFICATIONS FOR XD-1

To: N. H. Taylor

From: J. Giordano

Date: 18 November 1955

Approved: H. E. Anderson
H. E. Anderson

CLASSIFICATION CHANGED TO:
Auth: DD254
By: RLE
Date: 4-4-66

Abstract: This Memorandum is a supplement to the second Master Reference List issued by the Systems Office. This Supplement Memorandum includes only concurred changes, revisions, and clarifications to XD-1 specifications since the release of 6M-3851-1. Included is an Appendix (I) which lists detailed interconnection and labeling information of the display system.

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This supplement memorandum lists:

- (A) Documents which received concurrence after the issue of 6M-3851-1 on 11 October 1955 through to and including concurrence meeting #45 held 17 November 1955. This supplement together with 6M-3851-1 forms the XD-1 Equipment Specifications as of 18 November 1955. For each document the following information is listed:
1. IBM and/or MIT document numbers
 2. Title, author, and date
 3. Date of IBM - MIT concurrence and/or Lincoln Release
 4. A Lincoln Laboratory Division VI Document Room file number.
 5. A "Required" column indicating the date when the particular document is to have been implemented. Documents are classified as follows:

- (1) A Required Installation date.
- (2) As Soon as Possible without influencing delivery of items listed in (1).
- (3) Manufactures Convenience without influencing delivery of items in (1) and (2).

- (B) An Appendix (I) which lists detailed interconnection and labeling of the XD-1 Display System. These documents are not subject to Lincoln - IBM concurrence.

JG:ar

Attachment: Distribution List

Signed

J. Giordano
J. Giordano

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AN/FSQ-7 (XD-1) SPECIFICATIONS
CENTRAL COMPUTER

Document Number	Title	Remarks	LL 6DR#	Required
<u>Maintenance Console</u>				
P-240	"Proposal for the Adding of Switches to the Maintenance Console" by P. Longo, dated 10 November 1955	Concurred 15 November 1955		31 December 1955
<u>Magnetic Tape System</u>				
P-234	"Proposal for the Addition of Two more Tape Drive Units to XD-1" by P. Longo, dated 3 November 1955	Concurred 17 November 1955		15 February 1956
<u>Selection Control Frame</u>				
P-200-1	"Changes in Selection Control" by J.J. Coughlin, dated 13 July 1955	Concurred 23 September 1955		Manufactures Convenience
<u>Card Machines</u>				
P-194-1	"Cancel Concurrence Document P-194" by R.J. Paddock, dated 18 October 1955	Concurred 27 October 1955	DR 498	
<u>DRUM SYSTEM</u>				
P-142-2	"Changes to Drum System Specifications" by P. Longo, dated 28 September 1955	Concurred 11 October 1955		As Soon As Possible
P-142-3	"Changes to Drum System Specifications" by P. Longo, dated 10 October 1955	Concurred 14 October 1955		As Soon As Possible
P-142-4	"Changes to Drum System Specifications" by P. Longo, dated 17 October 1955	Concurred 24 October 1955		As Soon As Possible

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INPUT SYSTEM

Document Number	Title	Remarks	LL 6DR#	Required
<u>Automatic Inputs</u>				
<u>Crosstelling Input</u>				
P-199-1	"Crosstell Parity Disable for XD-1, XD-2" by J. J. Coughlin, dated 30 September 1955	Concurred 27 October 1955	DR 479	Manufactures Convenience
<u>LRI Monitor Specifications</u>				
P-233	"LRI Monitor Console for XD-1" by P. Longo, 20 October 1955.	Concurred 20 October 1955		1 April 1956
<u>DISPLAY SYSTEM</u>				
<u>Display Frame</u>				
P-207-1	Correction to 6M-3583-1	Concurred 29 September 1955	DR 463	
P-238	6M-2877, Supplement 8, Changes to Display Specifications, 28 September 1955	Concurred 14 October 1955		15 November 1955
<u>Display Console</u>				
P-243	6M-3995, Visor for Situation Display Console, by G.L. Smiley, dated 16 November 1955	Concurred 17 November 1955		15 February 1956 to be provided by Lincoln Laboratory.

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DISPLAY SYSTEM (Continued)

<u>Document Number</u>	<u>Title</u>	<u>Remarks</u>	<u>LL 6DR#</u>	<u>Required</u>
<u>Auxiliary Console</u>				
P-127-3	"Change to AN/FSQ-7 Auxiliary Console Specifications for XD-1, XD-2 and Production Machine"	Concurred 5 October 1955 Clarification Document	DR 461	
<u>Command Post</u>				
P-237	"6M-3929, Proposed Specifications for Status Boards for the XD-1 Command Post" by R.D. Buzzard	Concurred 27 October 1955	DR 507	1 February 1956
<u>ASSOCIATE EQUIPMENT</u>				
<u>Power Supplies</u>				
P-222	"Proposed Expansion of the Marginal Checking System for the Tape Element" by N.L. Decker, 27 November 1955	Concurred 17 November 1955		As Soon as Possible
P-235	"Proposal for Placing the Spare Amplidyne of XD-1 in a Stand-by Status", by P. Longo, 31 October 1955	Concurred 17 November 1955		As Soon as Possible
<u>Spare Parts</u>				
P-223	Spare Parts Policy Revision	Concurred 11 October 1955		
<u>Building</u>				
<u>GENERAL</u>				
	Delete all Reference to P-115, P-136, P-184, P-196			
P-115-1	First Floor Layout of Building F Dwg. 5001-31007 Revision M	Concurred 10 October 1955, incorporates all previous changes	DR 447	

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APPENDIX I

The specifications listed below describe the detailed interconnections and labeling of the display system. They are not equipment design specifications and are not subject to Lincoln - IBM concurrence. They are included because basic equipment design must be compatible with them. These specifications are subject to change as development of the operational program progresses.

1. Memorandum 6M-3753, XD-1 Warning Light and Audible Alarm Bit Assignment.¹
2. Memorandum 6M-3755, XD-1 Manual Intervention Bit Assignment.¹
3. Memorandum 6M-3758, Light Gun Codes and Light Core Assignments.¹
4. Memorandum 6M-3399-1, Nomenclature for Consoles and Operating Positions in AN/FSQ-7 (XD-1).²
5. Memorandum 6M-3728,² 6M-3728, Correction #1, and 6M-3728, Supplement #1, Category and Display Assignment Bit Assignments for SAGE Situation Display Consoles.
6. Memorandum 6M-3818, AN/FSQ-7 and AN/FSQ-7 (XD-1) Activate Bit Assignments.²
7. Memorandum 6M-3765-1, Digital Display Slot Assignments for AN/FSQ-7 and XD-1. (Supersedes 6M-3765)

1. Previously Released by Lincoln T.I.R. 1-92
2. Previously Released by Lincoln T.I.R. 1-95

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