

Memorandum 6M-3189-1

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

SUBJECT: SUMMARY OF LINCOLN LABORATORY TECHNICAL INFORMATION
RELEASES (T.I.R.'s) PERTAINING TO SAGE SYSTEM ISSUED
BY THE PRODUCTION COORDINATION OFFICE (PCO) (CUMULA-
TIVE LIST THROUGH 31 DECEMBER 1954)

To: T.I.R. Distribution List

From: E. D. Lundberg

Date: 7 January 1955

Approved: 
A. P. Kromer

Abstract: The summary is a cataloged listing of Series 1 TIR's pertaining to the SAGE System that have been issued to date and indicates present status. The PCO is an office established by the Lincoln Director's Office to serve as the contact point at Lincoln in connection with the SAGE System, and to formally release Lincoln documents covering system specifications and requirements.

The Lincoln Production Coordination Office (PCO) was established by the Director's Office of Lincoln Laboratory to serve as the contact point at Lincoln for outside agencies on production matters relating to the SAGE System and to facilitate coordination of such matters within the Laboratory. Information and data to be issued as official Lincoln Laboratory documents are processed: (1) to coordinate and obtain approval from all interested Lincoln groups and/or divisions, (2) to obtain concurrence from the interested organizations outside Lincoln, and (3) subsequently to be formally issued with a Technical Information Release (TIR). The TIR form also briefly summarizes the background, indicates extent of coordination, action to be taken and indicates qualifications regarding the use of the data being released. When changes are made to information which has been previously released by a Lincoln TIR, the changed information is processed in the same manner as the original release, and a new TIR is released superseding the previous TIR(s).

The attached Summary of Series 1 Technical Information Releases, Appendix A, was prepared to provide an up-to-date summary of active T.I.R.'s pertaining to the SAGE System. Items are grouped into categories according to subject matter.

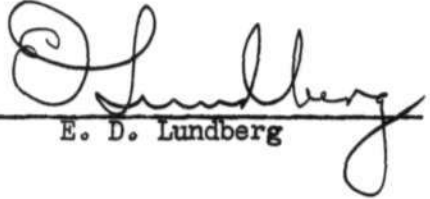
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In order to insure widespread dissemination of the status of the SAGE System TIR's outstanding, a summarized review of all issued Series 1 TIR's shall be prepared periodically by the PCO. This summary will be distributed to those persons and agencies receiving Technical Information Releases pertaining to the SAGE System.

SIGNED:


E. D. Lundberg

EDL:ero

Attachments: Appendix A

APPENDIX A

Summary of Active Technical Information Releases Pertaining to SAGE SYSTEM

	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
I. Building Requirements	1-1	7/16/54	Prime Power Requirements - D.C. (M-2871)	
	1-5	7/29/54	Personnel Requirements - D.C. (M-2927)	
	1-7	7/29/54	Comments on W. E. Memo 7/16/54 on Bldg. Requirements (M-2937)	
	1-11	8/16/54	Prime Power Requirements - D.C. (M-2960)	
	1-15	8/31/54	Physical Characteristics - D.C. Equipment (M-2925-1)	This supersedes information previously released on TIR 1-3
	1-23	9/17/54	Prime Power Dist. System - D.C. (M-3031)	
	1-29	10/1/54	Prime Power Requirements - D.C. (6M-2960 - Addendum #1)	
	1-30	10/1/54	Comments on Burns & Roe Drawings of D.C. Building and Power House (6M-3044)	
	1-39	11/12/54	Comments on Burns & Roe Drawings of D.C. Building and Power House (6M-3153)	
	1-40	11/12/54	Master Reference List of Requirements for D.C. Building (6M-3147)	This supersedes information previously released on TIR's 1-2, 1-4, 1-6, 1-12, 1-13, 1-14, 1-21, 1-22, 1-24, 1-25, 1-26, 1-27 & 1-32.

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APPENDIX A

Summary of Technical Information Releases - SAGE SYSTEM (Cont.)

	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>	
II. Combat Center and Direction Center Equipment	1-20	9/17/54	AN/FSQ-7 Equipment List (M-2622-1)		
	1-33	10/20/54	Relay and Master Clocks (IBM Doc. D-22)		
	1-34	10/20/54	Instruction Code (IBM Doc. PM8-5; D-16)		
	1-35	10/20/54	Arithmetic Element (IBM Doc. IM-95; D-6)		
	1-36	11/4/54	Selection and Input-Output Control (IBM Doc. TR-24; D-19)		
	1-37	11/4/54	Program Element (IBM Doc. IM-94; D-5)		
	1-38	11/4/54	Card Reader, Printer & Punch (IBM Doc. D-12)		
	1-43	11/17/54	Input Card Machines (IBM Doc. D-10)		
	1-44	11/17/54	Instruction Control Element (IBM Doc. TR-15)		
	[1-45	11/24/54	Summary Equipment List for SAGE System Direction Centers (6M-3159)		
	[1-49	12/3/54	Summary Equipment List for SAGE System Combined Combat Direction Centers (6M-3166)		
	III. Radar	1-18	9/7/54	SAGE Equipment at Heavy Radar Sites (Group Report 20-1)	
		1-19	9/7/54	Pre-SAGE Equipment at Heavy Radar Sites (Group Report 20-2)	
1-42		11/22/54	SAGE Equipment List-Combined Heavy Radar and Radio Site		

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APPENDIX A

Summary of Technical Information Releases - SAGE SYSTEM (Cont.)

	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
III. Radar (cont.)	[1-47	12/2/54	Compatibility of 6 μ sec Pulse with SAGE System	
	1-51	12/17/54	Principles to be Followed for Selecting Radars for Each Subsector Direction Center (6M-3162-1)	
IV. Operations	1-9	8/6/54	Equipment Allocations for XD-1 (M-2720-2 and Supp. #1)	
V. Communica- tions	1-17	9/2/54	Proposal for Communication between AN/FSQ-7 and F-99 Bases (M-2848-1)	
	1-31	10/8/54	Proposed Program for DDR and DDT (XD-1) (6M-2924)	
	1-41	11/26/54	Tactical Telephone System (XD-1) (6M-3000)	
VI. Maintenance	[1-50	12/7/54	Memorandum of Meeting on Duplex Spare Parts List (IBM Memo Dtd. 8/19/54, Rev. 10/6/54)	
VII. Training	1-10	8/6/54	Training Program for AF Personnel (M-2902 & M-2947)	
	1-28	10/1/54	Training Program for AF Personnel (M-2947 - Supp. #1 and #2)	
VIII. Miscel- laneous	[1-48	12/3/54	AN/FSQ-7 (Production Machine) Specifications Listing (6M-3188)	
	1-52	12/17/54	AN/FSQ-7 (XD-1) Specifications Listing (6M-2814-5)	This supersedes informa- tion previously released on TIR's 1-8, 1-16, & 1-46.

NOTE: TIR's released since last issue of this summary are preceded by a bracket ([).

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