

Memorandum 6M-3189-2

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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 1 APRIL 1955)

To: T.I.R. Distribution List

From: E. D. Lundberg

Date: 5 April 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 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. TIR's of other series do not apply to the SAGE System.

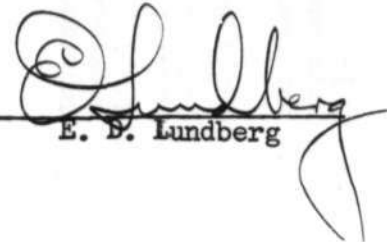
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In order to insure widespread dissemination of the status of the SAGE System TIR's outstanding, a summarized review of all issued Series 1 TIR's shall be prepared periodically by the PCO. This summary will be distributed to those persons and agencies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

SIGNED:


E. B. Lundberg

EDL:mmc

Attachment: Appendix A pgs. A1-A6
Distribution List

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 Re- quirements	1-1	7/16/54	Prime Power Requirements-D.C. (M-2871)	
	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)	
	1-23	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)	
	[1-54	11/12/54	Master Reference List of Requirements for D.C. Buildings (6M-3147-1)	This supersedes information previously released on TIR's 1-2,1-3,1-4,1-5, 1-6,1-12,1-13,1-14,1-15, 1-21,1-22,1-24,1-25,1-26, 1-27,1-32, and 1-40.
	[1-60	2/16/55	Master Reference List of Requirements for Combined C.C.-D.C. Bldgs. (6M-3198-1)	This supersedes information previously released on TIR 1-53.

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APPENDIX A (Cont.)

Summary of Active Technical Information Releases Pertaining to SAGE System

I. Building Re- quirements (cont.)	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
	1-63	3/2/55	Supplement 1 to Master Reference List of Requirements for D.C. Bldgs. (6M-3147-1)	
	1-64	3/3/55	Supplement 1 to Master Reference List of Requirements for Combined C.C.-D.C. Buildings (6M-3198-1)	
	1-65	3/10/55	Supplement 2 to Master Reference List of Requirements for D.C. Buildings (6M-3147-1)	
II. Combat Center and Direction Center Equipment	1-45	11/24/54	Summary Equipment List for SAGE System Direction Centers (6M-3159)	This supersedes information previously released on TIR 1-20.
	1-49	12/3/54	Summary Equipment List for SAGE System Combined Combat Direction Centers (6M-3166)	
	1-57	2/4/55	AN/FSQ-7 Specifications: Drum System AN/FSQ-7 (6M-3291) Central Computer System, AN/FSQ-7 (6M-3292) Specifications for Display System, AN/FSQ-7 (6M-3293) Specifications for the Power Conversion and Distribution System, AN/FSQ-7 (6M-3297)	This supersedes information previously released on TIR's 1-33, 1-34, 1-35, 1-36, 1-37, 1-38, 1-43, 1-44 & 1-55.

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APPENDIX A (Cont.)

Summary of Active Technical Information Releases - SAGE System

II. Combat Center and Direction Center Equipment (cont.)	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
	[1-57 (cont)	2/4/55	Specifications for the Manual Input System for the AN/FSQ-7 (6M-3298) Specifications for the Output System for the AN/FSQ-7 (6M-3299) Specifications for the Maintenance Equipment of AN/FSQ-7 (6M-3300) Specifications for the Automatic Input Elements, AN/FSQ-7 (6M-3301)	
	[1-59	2/28/55	Evaluation of AN/FSQ-7 and AN/FSQ-8 Components	
	[1-66	3/10/55	Supplement 1 to Specifications for Central Computer System for AN/FSQ-7 (6M-3291) Supplement 1 to Specifications for Drum System for AN/FSQ-7 (6M-3292)	
	[1-67	3/16/55	Auxiliary Console and Wing Unit Equipment Allocation and Layout for AN/FSQ-7 Direction Centers (6M-3330 and Suppl. 1)	

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III. Inputs and Outputs	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
	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)	
	1-47	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)	
	[1-56	2/1/55	Recommended Quantities of Input and Output Equipment for the First and Second AN/FSQ-7's (6M-3267-2)	
	[1-58	2/23/55	SAGE Equipment List for a Combined Heavy Radar and Radio Site (Group Report 20-3 (revised))	This supersedes information previously released on TIR 1-42.
	[1-62	2/24/55	SAGE Equipment List for a Surveillance Radar Station (Group Report 20-4)	
IV. Operations	1-9	8/6/54	Equipment Allocations for XD-1 (M-2720-2 and Supp. 1)	
V. Communications	1-17	9/2/54	Proposal for Communication between AN/FSQ-7 and F-99 Bases (M-2848-1)	

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V. Communications (Cont.)	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
	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)	
	[1-61	3/1/55	Communications: Texas Tower to Shore via Tropospheric Scatter (Grp. Rep. 36-3)	
	[1-68	3/29/55	Ground-to-Ground Outputs from the SAGE System (6M-3266)	
	[1-70		Number of Active Data Circuits from a Long-Range Radar Site (6M-3396)	
VI. Maintenance	1-50	12/7/54	AN/FSQ-7 Spare Parts Policy (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. Schedules	[1-69	4/1/55	Engineering-Installation Phasing Committee, Summary Report #6	

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Summary of Active Technical Information Releases - SAGE System

	<u>TIR #</u>	<u>Date</u>	<u>Material Released</u>	<u>Remarks</u>
IX. Miscellaneous	1-48	12/3/54	List of AN/FSQ-7 (Production Machine) Specifications (6M-3188)	
	1-52	12/17/54	List of AN/FSQ-7 (XD-1) Specifications (6M-2814-5)	This supersedes information previously released on TIR's 1-8, 1-16, and 1-46.

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

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