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W. W. F. Friedman

S/Asst.

DEPARTMENT OF DEFENSE
NATIONAL SECURITY AGENCY
WASHINGTON 25, D. C.

19 July 1955

SECRET

A Report by the Research and Development Advisory Council

DECISION ON

SERVICE TEST EQUIPMENT PROCUREMENT DURING FY 1956

1. On 19 July 1955 the Director, National Security Agency, approved the Service Test Model Requirements as set forth in Memorandum for Chairman of RADAC, dated 15 June 1955, Subject: Service Test Equipment Procurement during FY 1956.

Constance C. Duck
for ANN M. MARLEY
Executive Secretary
Research and Development
Advisory Council

Decision on
Service Test Model Requirements

15 June 1955

SECRET

MEMORANDUM FOR CHAIRMAN, RESEARCH AND DEVELOPMENT ADVISORY COUNCIL

SUBJECT: Service Test Equipment Procurement during FY 1956

1. In accordance with the provisions of Appendix B to National Security Agency Regulation Number 92-1 of 22 January 1954, the Communications Security Technical Committee of RADAC at a meeting held this date recommended procurement of the equipments listed in the inclosure in the quantities specified.

2. This correspondence is forwarded herewith for appropriate action by the Research and Development Advisory Council.

Mitford M. Mathews Jr.

MITFORD M. MATHEWS, Jr.

Chairman

Communications Security Technical Committee

Inclosure

Service test equipment proposed for procurement during FY 1956

Copy to:

Members of ComSec
Technical Committee

15 June 1955

BUDGET PROGRAM COMMUNICATIONS SECURITY
CRYPTOLOGIC EQUIPMENT - OBJECT 09

EQUIPMENT TITLE	DESCRIPTION	DEL'Y DATE	INTENDED DISTRIBUTION	QUAN-TITY	UNIT COST	FY 56 DOLLAR REQUIREMENT
<u>Service Test</u>						
TSEC/KW-22(D)	AFSAM D22)					
Teletype security equip ^{nt} for use with AN/FGC-5. Elec- tronic multiplex communica- tions equipment.		FY-57	Army - 4 Navy - 6 Air Force - 4 NSA - 2	16	\$20,000	\$ 320,000
TSEC/KL-47 (AFSAM 47B)						
Off-line, keyboard operated, literal cipher machine. (36-pt. rotors)		FY-57	Army - 4 A' Force - 2 NSA - 8 (4 of the NSA models are to be loaned to the UK for testing.)	14	5,000	70,000
TSEC/KW-26(D-3) (AFSAM D26 (X-4)						
On-line, fully synchronous, single channel teletype security equipments (60-100 wpm speed)		FY-57	Army - 8 Navy - 8 Air Force - 8 *NOTE NSA - 2	26	15,500	403,000
TSEC/HW-5(D) (AFSAZ D7305)						
Short term message synchronizer for use with non-synchronous on-line teletype security equipment, such as AFSAM 9 and one-time tape equipments		FY-57	Army - 10 Navy - 6 NSA - 8 (4 for COM) (Air Force has no requirement for this equipment)	24	700	16,800
TSEC/HW-19(D) (AFSAZ D7319)						
(Janized version) An on-line, half-duplex, electronic mixer for use with teletype security equipment. Essentially radiation free.		FY-57	Army - 6 Navy - 10 Air Force - 4 NSA - 4	24	700	16,800
TSEC/KY -5						
50 KC, single channel, pulse code modulation voice security equipment for use over an "N" carrier channel.		FY-57	Army - 4 Navy - 4 Air Force - 4 NSA - 23 COMSEC - 2 COM - 6 Possible high priority requirement - 15	35	18,500	647,500
TSEC/KX-3(D-1) (AFSAX D503A)						
A fixed plant black-white facsimile equipment. Additional equipment such as the AFSAX D7300 or AFSAZ D7306 is required for radio or wire transmission.		FY-57	Army - 14 Navy - 4 Air Force - 12 NSA - 2	32	20,000	640,000

NOTE: The Services feel that they must have four (4) each, as an irreducible minimum. However, it was decided that eight (8) would be a better figure, since this quantity would permit each service to conduct testing in several different locations simultaneously and would thereby reduce the total time required for testing.