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DEPARTMENT OF THE AIR FORCE
OFFICE OF THE CHIEF OF STAFF
UNITED STATES AIR FORCE
WASHINGTON, D. C.

FEB 20 1959

MEMORANDUM FOR THE CHIEF OF STAFF, USAF

SUBJECT: (U) B-52 Penetration Aids Modification Program

1. On 12 February 1959 the Air Force Council considered a presentation by the Weapons Board on the above subject and recommends approval of the B-52 Penetration Aids Modification Program (TAB A).

2. The Air Force Council noted that:

a. On 15 December 1958 the Council recommended approval of a modification program for equipping 190 B-52 aircraft with the AN/ALQ-27. This subject was returned for further review in the light of high costs, compatibility problems, and technical risks.

b. The B-52 Penetration Aids Modification Program has been thoroughly reviewed by the Air Staff and will continue to be reviewed on a quarterly basis.

c. Directives have been issued, and funds have been authorized and programmed for FY 1959 and FY 1960 (TAB B).

d. Installing the four modifications concurrently under the package concept will reduce cost and total aircraft down-time and assure timely operational availability.

e. The Seeker development and the study of the Anti-Radiation Missile as a penetration aid is continuing. If this leads to an operational capability that reduces or eliminates the need for other penetration aids (i.e., AN/ALQ-27) appropriate cut-backs or cancellations can be made. The present thinking, however, is that there will be a requirement for the AN/ALQ-27 even though the ARM proves effective.

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Memo for C/S, subj: (U) B-52 Penetration Aids Modification Program

3. The Air Force Council agreed that:

a. The B-52 Penetration Aids Modification Program, which includes the QUAIL, HOUND DOG, LOW LEVEL PENETRATION CAPABILITY, and AN/ALQ-27, provides significant operational improvement to the B-52 fleet necessary to counter the threat in the period beyond 1960.

b. The program is feasible and the inherent risks are acceptable to achieve an early capability.

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TAB A--Penetration Aids Program
TAB B--Fund Requirements for FY 59 & 60

CURTIS E. LEMAY
General, U. S. Air Force
Chairman, Air Force Council

APPROVED: 24 1959

THOMAS D. WHITE
Chief of Staff
United States Air Force

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*10 March '59
Approved beyond '60
for planning only -
J.W.D.*

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EXEC 2EVA DIA
VICE CHIEF OF STAFF
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B-52 PENETRATION AIDS PROGRAM

- B-52E - Installation of QUAIL, HOUND DOG, and LOW LEVEL CAPABILITY in 100 aircraft.
- B-52F - Installation of QUAIL, HOUND DOG, LOW LEVEL CAPABILITY and ALQ-27 Defensive ECM Sub-System in 88 aircraft.
- B-52G - Installation of QUAIL, HOUND DOG and LOW LEVEL CAPABILITY in the first 53 aircraft.
- B-52G - Installation of LOW LEVEL CAPABILITY in the 54th and on aircraft (140 aircraft) which receive QUAIL and HOUND DOG in production.
- B-52H - Incorporation of QUAIL, HOUND DOG, LOW LEVEL CAPABILITY and ALQ-27 Defensive ECM Sub-System in follow-on production aircraft (estimated to be 99 aircraft).

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TAB A

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B-52 PENETRATION AIDS PROGRAM

FUND REQUIREMENTS

PRIOR	FY-1959			FY-1960		FY-1961	FY-1962	FY 1963	TOTAL
	REQ.	PROG.	DIR.	REQ.	PROG.	REQ.	REQ.	REQ.	REQ.
QUAIL 11.6	44.3	44.3	41.9	138.7	138.7	186.0	162.3	0.4	543.3
HOUND DOG 51.9	165.3	165.3	147.3	192.5	192.5	138.5	3.5	1.0	552.7
LOW LEVEL 0	2.2	1.7	1.7	13.2	13.2	10.2	1.1	0.3	27.0
ALX-270 0	47.8	47.4	33.4	121.3	121.3	166.7	61.1	2.6	399.5
TOTAL 63.5	259.6	258.7	224.3	465.7	465.7	501.4	228.0	4.3	1522.5

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