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AIR FORCE BALLISTIC MISSILE DIVISION
Headquarters
Air Research and Development Command
Post Office Box 262
Inglewood, California

WDP

AUG 29 1958

SUBJECT: (U) Ballistic Missile Program Planning Information

TO: Chief of Staff
United States Air Force
ATTN: AFCEM
Washington 25, D. C.

1. In compliance with Headquarters USAF message AFABF/AFCEM 55405, dated 12 August 1958, ballistic missile program planning information is transmitted as follows:

- a. ATLAS: 9 squadrons as presently planned.
- b. TITAN: 4 squadrons as presently planned.
- c. TITAN: 11 squadrons assuming only 4 squadrons approved through FY 1959.
- d. THOR: 4 squadrons only.
- e. MINUTEMAN: 100/400 operational missile program to be accomplished during FY 1963/1964.
- f. MINUTEMAN: Program of R&D excess missiles assuming 47 operational missiles by end FY 1963 and 100 operational missiles by end FY 1964.

Summary cost estimates and program schedules for each of the above programs are appended as inclosures hereto.

2. In addition to the above programs, AFBMD was requested to submit summary estimates against a MINUTEMAN program resulting in "100/400 missiles in FY 1963/1964 assuming only \$50 million funding in FY 1959." This item has been excluded from this study as a result of the determination that it was impossible to satisfy program objectives during the time period required if a limitation of \$50 million were to be applied during the current fiscal year. In my opinion, the R&D program reflected in the inclosed MINUTEMAN summaries is the minimum required to achieve necessary milestones leading to an operational force build-up capability in the FY 1963/1964 time period.

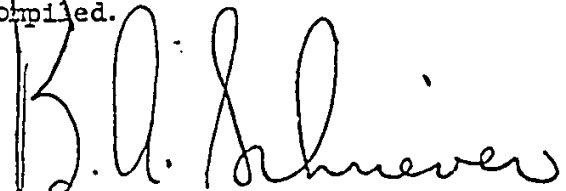
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3. AFEMD was further requested to submit summary estimates against a 9-squadron THOR program assuming only 4-squadron approval during FY 1959. It is understood that this request is being changed to require planning information on a 9-squadron THOR program assuming only 5-squadron approval during FY 1959. Accordingly, the item has been excluded from this study and will be forwarded when the additional information has been compiled.



B. A. SCHRIEVER
Major General, USAF
Commander

6 Incls

1. ATLAS Program Plan
(65-58-8) *w/d*
2. TITAN Program Plan
(68-58-6c) *w/d*
3. TITAN Program Plan
(68-58-8) *w/d*
4. THOR Program Plan
(75-58-12) *w/d*
5. MINUTEMAN Program Plan
(80-58-2)
6. MINUTEMAN Program Plan
(80-58-3)

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Incl #5

MINUTEMAN
100/400 Missile Force by FY 63/64

SECTION I

The program and funding summaries presented in Section II and III below are based upon the following ground rules and assumptions.

- a. The operational launchers will consist of hardened and dispersed silo-configuration emplacements.
- b. There will be 100 missiles in operational launchers by the end of FY 1963 and 400 missiles in operational launchers by the end of FY 1964.
- c. There will be 117 operational missiles delivered by the end of FY 1963 and 418 operational missiles delivered by the end of FY 1964.
- d. A maximum of 30 days is estimated from missile delivery to ready-in-launcher operational date. This allows for transportation to launch sites and pre-operational checkouts.
- e. By the end of FY 1964 113 operational missiles will have been produced by the R&D facility and the remaining 305 missiles will have been produced by the operational production facility.
- f. The R&D facility will have a maximum delivery rate of 6 missiles per month and is not planned for mass production required to meet the 400 missile force build-up by end of FY 1964.
- g. Construction of an operational production facility must start in March 1961 to meet the 100/400 force requirement.
- h. Four operational development launches planned for FY 1963 will be from operational sites.
- i. Twenty combat training launches are planned from operational sites.
- j. The twenty-four missiles to be launched are shown as additive to the R&D and operational allocations.

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SECTION II
PROGRAM SUMMARY

| | FY 61 | | | | FY 62 | | | | FY 63 | | | | FY 64 | | | | TOTAL |
|---------------------------|-------|---|---|---|-------|---|---|----|-------|----|-----|-----|-------|-----|-----|-----|-------|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| LAUNCHERS OPN'L (CUM) | | | | | | | | | | | 100 | | | | 400 | | 400 |
| MISSILES DELIVERIES | | | | | | | | | | | | | | | | | |
| TOTAL | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 12 | 18 | 27 | 42 | 53 | 66 | 75 | 93 | 93 | 532 |
| R&D | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 6 | 6 | 6 | 3 | 3 | | | 90 |
| OPERATIONAL | | | | | | | | 5 | 12 | 20 | 35 | 45 | 59 | 68 | 87 | 87 | 418 |
| OPERATIONAL (CUMULATIVE) | | | | | | | | 5 | 17 | 37 | 72 | 117 | 176 | 244 | 331 | 418 | 418 |
| OPERATIONAL DEV. LAUNCHES | | | | | | | | | 1 | 1 | 2 | | | | | | 4 |
| COMBAT TRAINING LAUNCHES | | | | | | | | | | | | | 4 | 4 | 6 | 6 | 20 |

SECTION III
FUNDING SUMMARY BY BUDGET PROJECT

| BUDGET PROJECT | FY 59 | FY 60 | FY 61 | FY 62 |
|----------------|-------|-------|-------|-------|
| 131 | 135 | 208.6 | 223 | 225.8 |
| 151 | 17.5 | 4.0 | 42 | 5.0 |
| 244 | 9 | 18.6 | 23.2 | 25.5 |
| 300 | 19 | 14.6 | 24.6 | 53 |
| 620 | 14 | 19.9 | 8.4 | 7.4 |
| TOTAL | 194.5 | 265.7 | 321.2 | 316.7 |

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Incl #6

MINUTEMAN
47/100 Missile Force by FY 63/64

SECTION I

The program and funding summaries presented in Section II and III below are based upon the following ground rules and assumptions. (120000) (1/5/64)

- a. The operational launchers will consist of hardened and dispersed silo-configuration emplacements.
- b. There will be 43 missiles in operational launchers by the end of FY 1963 and 96 missiles in operational launchers by the end of FY 1964.
- c. There will be 49 operational missiles delivered by the end of FY 1963 and 100 operational missiles delivered by the end of FY 1964.
- d. A maximum of 30 days is estimated from missile delivery to ready-in-launcher operational date. This allows for transportation to launch sites and pre-operational checkouts.
- e. The entire force is produced by R&D production facilities.
- f. The R&D facilities will have a maximum delivery rate of six missiles per month.
- g. Four operational development launches planned for FY 1963 will be from operational sites.
- h. Ten combat training launches are planned from operational sites.
- i. The fourteen missiles to be launched are additive to the R&D and operational allocations.

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SECTION II
PROGRAM SUMMARY

| | FY 61 | | | | FY 62 | | | | FY 63 | | | | FY 64 | | | | TOTAL |
|--------------------------|-------|---|---|---|-------|---|---|----|-------|----|----|----|-------|----|----|-----|-------|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| LAUNCHERS OPN'L (CUM) | | | | | | | | | | | | 43 | | | | 96 | 96 |
| MISSILES DELIVERIES | | | | | | | | | | | | | | | | | |
| TOTAL | 2 | 6 | 9 | 9 | 9 | 9 | 9 | 12 | 18 | 18 | 18 | 18 | 18 | 18 | 16 | 15 | 204 |
| R&D | -2 | 6 | 9 | 9 | 9 | 9 | 9 | 7 | 6 | 6 | 6 | 6 | 3 | 3 | | | 90 |
| OPERATIONAL | | | | | | | | 5 | 12 | 11 | 11 | 10 | 13 | 13 | 13 | 12 | 100 |
| OPERATIONAL (CUM) | | | | | | | | 5 | 17 | 28 | 39 | 49 | 62 | 75 | 88 | 100 | 100 |
| OPERATIONAL DEV LAUNCHES | | | | | | | | | | 1 | 1 | 2 | | | | | 4 |
| COMBAT TRAINING LAUNCHES | | | | | | | | | | | | | 2 | 2 | 3 | 3 | 10 |

SECTION III
FUNDING SUMMARY BY BUDGET PROJECT

| BUDGET PROJECT | FY 59 | FY 60 | FY 61 | FY 62 |
|----------------|-------|-------|-------|-------|
| 131 | 135 | 208.6 | 201 | 201 |
| 151 | 17.5 | | | |
| 244 | 9 | 18.6 | 20.6 | 20.6 |
| 300 | 19 | 13.9 | 12 | 10.5 |
| 620 | 14 | 19.9 | 8.4 | 7.4 |
| TOTAL | 194.5 | 261.0 | 242.0 | 239.5 |

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