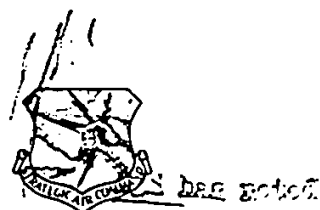


~~Handwritten notes and signatures~~
→ CCS
→ CVC
CAV

Current report on
missiles from General
Power.

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HEADQUARTERS STRATEGIC AIR COMMAND
UNITED STATES AIR FORCE
OFFUTT AIR FORCE BASE, NEBRASKA



17 JAN 1964

REPLY TO
ATTN OF: CINC

SUBJECT: Missile Items (U)

TO: HQ USAF (AFCCS)
Washington 25, DC

Distributio
CCS
CWS
CAV
Action: AN
Sig: _____
Susp: _____
Info: SDI

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1. Combat Readiness on ICBM Units. The following units were combat ready on the dates indicated: (U)

<u>DATE</u>	<u>TYPE WEAPON SYS</u>	<u>UNIT</u>	<u>LOCATION</u>
21 Oct 63	Atlas F	579 SMS	Walker AFB, N.M. (S)
1 Nov 63	Minuteman	66, 67	
		68 SMS	Ellsworth AFB, SDak (S)
8 Nov 63	Atlas F	556 SMS	Plattsburgh AFB, NY (S)
20 Dec 63	Titan II	570 &	
		571 SMS	Davis-Monthan AFB, Ariz (S)
20 Dec 63	Titan II	533 SMS	McConnell AFB, Kans (S)
20 Dec 63	Titan II	373 SMS	Little Rock AFB, Ark (S)

OP
XD

2. Missile Force Commitment. The missile force commitment concept will be effective with the implementation of SIOP-64. Under this concept 66-2/3 per cent of the Atlas and Titan force, and 80 per cent of Minuteman are committed to the SIOP as alert. The remaining missiles are committed as non-alert. The non-alert missiles are targeted to provide a capability of coverage against alert assignments, with a complex/sector in the Atlas and Titan weapon systems and wing-wide in the Minuteman system in the event a missile is off-alert for maintenance, training, or modification. This new concept of missile application will provide a more stable day-to-day coverage of time-sensitive threat targets. Additionally, this concept provides the necessary pre-planned weight of effort against targets assigned to the alert force. (S)

3. Missile Target Trajectory Materials.

a. Minuteman target trajectory materials have been produced and delivered to the 455th SMW, Minot AFB, for all flights. This is the third wing to receive target material. (S)

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GROUP 4

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Declassified after 12 years.

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b. Titan II target trajectory material production and delivery for initial targeting has been completed for all three wings. (Davis-Monthan, Little Rock and McConnell AFB's). (S)

4. Operational Tests for Minuteman Wing I. Operational testing was initiated in October 1963. OT will consist of a minimum of twenty-five launches. Six launches have been accomplished to date. Launches and results follow: (S)

<u>Nickname</u>	<u>Launch Date</u>	<u>Results</u>
Cedar Lake	17 Oct 63	24.26 NM right, 781.37 NM over (S)
Drag Chute	31 Oct 63	.46 NM right, .03 NM short (S)
Hard Line	2 Nov 63	.32 NM left, .29 NM short (S)
Arm Chair	2 Dec 63	Self-destruct at T+52 seconds (S)
Bamboo Shoot	13 Dec 63	1.1 NM left, .65 NM over (S)
Bent Hook	20 Dec 63	0.0 Cross range, 1.4 NM over (S)

Remaining launches will be accomplished at a rate of two or three per month. (U)

5. Demonstration and Shakedown Operations (DASO) for Minuteman Wing II to V. DASO will consist of five launches. Launches and results follow: (S)

<u>Nickname</u>	<u>Launch Date</u>	<u>Results</u>
Big Circle	27 Nov 63	.433 NM right, .621 NM over (S)
Answer Man	13 Dec 63	.25 NM left, .1 NM short (S)

The remaining three launches will be accomplished during January 1964. (U)

6. Minuteman Security System. The redesigned Sylvania outer zone antenna configuration and related hardware has been installed in "I" flight at Wing II. Upon completion of satisfactory operational testing, the approved equipment will be installed at Wings IV and V. Wings II and III will be retrofitted. (U)

7. Minuteman Environmental Control System (Wing III). During the cold weather, excessive air intake caused blast damper icing and snow blockage resulting in a loss of environmental air to the

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equipment racks and missile. All forty SAC-owned missiles had to be removed from alert and shut down to prevent equipment damage. Emergency fix was designed and installed. Missiles are being re-postured and get well date is 16 January 1964. A permanent fix is necessary and is being produced by BSD and the contractor. (S)

8. Titan II Acceptance Program. With the acceptance of the 18th complex at Little Rock AFB, Ark, on 28 December 1963, all Titan II complexes, except the three at Vandenberg AFB, Calif, have been accepted by SAC and placed in the operational inventory. The three complexes at Vandenberg are now scheduled for turnover to SAC in January, April and May 1964. (C)

9. Titan II Status. On 16 December 1963, an integrated force of SAC/BSD/Contractor personnel under BSD supervision successfully launched a Research and Development missile from Vandenberg AFB. This was the seventh R&D launch and the last two were completely successful. Three R&D launches remain; two will be accomplished in January and one in March 1964. DASO, consisting of five launches, is programmed to commence in April with the first launch in May 1964. BSD is presently negotiating with SAC on joint utilization of the five DASO launches. Due to weapon system modifications to be accomplished, BSD is concerned as to whether mods can be developed and flight tested during the remaining launches. (S)

10. Operational Tests for Titan I. The Titan I Demonstration and Shakedown Operations (DASO) were concluded on 14 November 1963. Three of the five DASO launches were successful. A squadron equivalent of updated operational unit facilities will be available in late January 1964, thus providing a source for missiles to be utilized in Operational Testing. The three launch facilities at Vandenberg AFB are presently EWO postured. It is my intent, utilizing operational unit personnel, to transition the three missiles to a testing status and launch after an additional thirty to sixty day "alert readiness" monitoring period. Launch dates would be dependent upon availability of missiles from updated operational units. (S)

11. Missile Modification Programs.

a. Titan I (Green-Go). The prototype complex (Lowry 724A) completion date has changed from 21 December 1963 to 24 January

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1964. Slippage was caused by the combination of engineering, scheduling and quality control problems. Satisfactory problem resolutions have confined the slow down to prototype complex only. Other complexes at Lowry are on schedule and should complete as programmed. Prototype experience is being utilized in developing the follow-on procedures and modification schedule. (S)

b. Atlas "F" (Red Heat). The prototype complex (Lincoln 551-10) is in progress and on schedule. It is due for completion on 28 February 1964. The first sites of the remaining five squadrons started the modification program on 6 January 1964. There will be a maximum of three launchers per squadron out for modification at any given time. The program is scheduled for completion on 17 December 1964. (S)

c. Atlas "E" (Drawtite). Modification of the Atlas "E" is progressing in accordance with the following schedule:

<u>Unit</u>	<u>Start</u>	<u>Complete</u>
Warren AFB	29 Apr	21 Feb 64
Forbes AFB	22 July 63	23 Mar 64
Fairchild AFB	25 Nov 63	10 July 64

Maximum of nine launchers will be out of commission for modification. The extension of this program was caused by the late identification of problems in the Cat II test phase. Approximately ten per cent of the launchers have completed the Drawtite modification. (S)

12. Atlas "F" Status. On 18 December 1963, the sixth and final Atlas "F" Research and Development (Category II) launch was successfully accomplished. Because of the poor success rate experienced in the R&D program (two successes out of six launches), and because some R&D objectives were not satisfied, SAC and BSD will jointly conduct the Demonstration and Shakedown Operations (DASO) consisting of five launches. The first DASO launch is scheduled for February 1964 and one per month thereafter. (S)

13. Operational Tests for Atlas "E". Demonstration and Shakedown Operations (DASO) for the Atlas "E" weapon system was completed on 25 September 1963. Due to the nonavailability of updated missiles, Operational Testing will not start until February 1964. In late

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January 1964, nine updated missiles (a squadron equivalent) are scheduled to be in an EWO posture. The first Operational Test (OT) launch will be conducted in March 1964, with one launch per month scheduled thereafter; a total of eight missiles are allocated for this program. (S)

14. AN/TPS-39 (Atlas and Titan). The electronic surveillance equipment program for Atlas - Titan has been disappointing to this date. We cannot expect application of equipment until late summer 1964 at the earliest. With these forecasts, we are recommending that only the Atlas "F" and Titan II be equipped with the AN/TPS-39 system. This recommendation was based on an equipment versus manpower cost comparison. (U)

15. Operation "Hot Bath". A program designed to increase the reliability of the Atlas "F" pod air conditioning and chiller systems. With the exception of the prototype site, the fleet mod program started 24 November 1963. The minor problems encountered at the outset of this program have been resolved. The project now is approximately 45% complete. (U)

16. Real Property Installed Equipment (RPIE) Maintenance Data Collection. Implementation of maintenance data collection for ICBM RPIE is scheduled for 1 February 1964. RPIE work unit codes have been developed for each weapon system. Revised code manuals containing RPIE work units are scheduled to be in the field by 24 January 1964. (U)

17. Corrosion Control Manual. SACM 66-7, dated 1 November 1963, is a joint DM/DE effort and is of special interest to all commanders, maintenance personnel and launch crews because of significant conceptual changes. A related publication, SACR 66-27, dated 20 November 1963, establishes housekeeping standards for missiles. In the past, confusion has existed between corrosion control and housekeeping. (U)

18. Corrosion Control Career Field. Action has been initiated within the Air Staff to establish a corrosion control career field. Additional backup data in support of this proposal was provided the Air Staff on approximately 20 December 1963. (U)

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19. Corrosion Evaluation Program. AFR 66-8 is being revised to include a corrosion evaluation program to include missiles, AGE, and aircraft. The program has been put into effect with good results to date. SAC has established specific locations and project officers by missile systems for conduct of tests. Locations are:

Titan I - Lowry AFB, Colo
Titan II - Little Rock AFB, Ark
Atlas - Schilling AFB, Kans
Minuteman - Malmstrom AFB, Mont
Special - Vandenberg AFB, Calif

Currently tests are in progress on:

- a. Blast cleaning equipment.
- b. Surface coating systems.
- c. "Space Walk" movable scaffolding.
- d. "Dyna-Kleen" reverse electro plating cleaning system.
- e. "Tycro" reinforced and unitized nylon abrasive wheels for cleaning, powered by electric drill.
- f. Portable "suitcase" corrosion treatment kits. (U)

20. Missile ORI Recap.

a. During 1963 a total of 33 missile unit inspections were conducted by the SAC IG team. Nineteen of these were official ORI's and 14 were shakedown type inspections. ORI results have pointed up a significant improvement in reliability of the Atlas "D" and "E" weapon systems during the latter part of the year. For example: Two Atlas "E" units have each passed their most recent ORI, and one has passed two successive ORI's. The PLX success rate in this weapon system has been 79% during the two most recent ORI's, while the success rate for the entire year was only 46%. Although no Atlas "D" unit passed an ORI during the year, the PLX success rate during the two most recent ORI's in this weapon system has been 44%, compared to a 28% success rate for the year. (S)

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b. In addition, the 341st Minuteman Missile Wing at Malmstrom AFB, recently passed the first official Minuteman ORI with flying colors. (S)

21. This correspondence is classified SECRET because it reveals the status of the missile force. (U)



THOMAS S. POWER
General, USAF
Commander in Chief

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