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COPY NO. 6

IAC AD HOC WORKING GROUP ON SOVIET GUIDED MISSILE REQUIREMENTS

11 April 1958

*8-687*

MEMORANDUM FOR: Chairman, Board of National Estimates  
Chairman, Guided Missile Intelligence Committee

Subject: SECOND CORRIGENDUM

Holders of the consolidated contribution of the IAC Guided Missile Requirements Working Group for NIE 11-5-58, dated 1 April 1958, are requested to substitute the attached revised page 5, and to destroy the first corrigendum of 10 April by burning or pulping.

*R. H. Stumpf*  
R. H. STUMPF  
Colonel, USA  
Chairman

Attachment: (1)

Distribution:

- Cys #1-#5 - Chairman, BNE
- Cys #6-#21 - Chairman, GMIC
- Cy #22 - Maj. M. M. Glass, AFCIN-2B2
- Cy #23 - Maj. W. O. Peak, ACSI
- Cy #24 - Cdr. W. R. McClendon, OPNAV
- Cy #25 - Mr. H. M. Wiedemann, State Dept.
- 25X1A Cy #26 - [REDACTED] CIA
- Cy #27 - [REDACTED], ONE/CIA
- Cy #28 - [REDACTED] ONE/CIA
- Cy #29 - [REDACTED] CIA

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2nd Corrig. to 1 Apr 58 Memo

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## II. SURFACE-TO-AIR GUIDED MISSILES

9. During the period of this estimate the USSR will have requirements for surface-to-air guided missiles to engage effectively subsonic and supersonic aircraft and non-ballistic missiles, hypersonic ballistic missiles and glide vehicles, and earth satellites. These target systems will operate at altitudes ranging from 50 feet to 85,000 feet in the atmosphere and to several hundred miles in space. Confusion and saturation tactics and electronic countermeasures will be employed. Radar cross sections will vary from 0.1 to several hundred square meters.

### Counter Aircraft and Cruise-Type Missiles

10. There is a current requirement, continuing through 1966, for static and mobile all-weather systems with altitude capability up to 70,000 feet and horizontal ranges of at least 25 nautical miles with either nuclear or high explosive warhead.

11. There is a current requirement, continuing through 1966, for a static all-weather system with altitude capabilities of about 90,000 feet and a horizontal range on the order of 100 nautical miles with either nuclear or high explosive warhead.

12. There is a current requirement, continuing through 1966, for static and mobile all-weather systems providing low altitude coverage (down to 50 feet) and a range of at least 10 nautical miles with high explosive warhead.

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(Page revised by 2nd Corrig. dated 11 April 1958)