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ACQUISITION,
TECHNOLOGY
AND LOGISTICS

OCT 09 2014

MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD

SUBJECT: Terms of Reference – Defense Science Board Task Force on Air Dominance

The ability of U.S., coalition, and Partner Nation Forces to establish air dominance in presence operations and conflict in any theater of operations is a key element for achieving strategic and tactical objectives. U.S. Forces have maintained the ability to establish Air Space freedom of action early in all conflicts since the Korean War. This ability provides situational awareness, information dominance, and superior combat support of Army and Naval Forces to defeat enemy forces. Potential adversaries are aware of the significance of these capabilities and are investing heavily to eliminate the U.S. advantage.

The Defense Science Board Task Force on Air Dominance (AD) will consider the most effective science, technology, capability and systems for maintaining air dominance beyond the next decade. The Task Force should identify and recommend, in the context of projected threats, strategies to establish and maintain our freedom of action in the air in support of national objectives.

Specifically, the Task Force will address the projected threat environment shaping requirements for AD; the nature of AD and what objectives are essential to maintain it; the most effective system strategy for advancing critical technologies and capabilities to ensure resilience in an increasingly competitive, congested and contested operational environment; and the identification of critical enabling concepts of operation, doctrine and policy, as well as tactics, techniques, and procedures optimized for these potential new technologies and capabilities. The recently completed DARPA-led Joint "Air Dominance Initiative" results should be used as a starting point for this study.

I will sponsor the study. Dr. Mark Maybury and Dr. David A. Whelan will serve as Co-chairmen of the study. Ms. Danielle Buckon, OUSD(AT&L), Dr. Keith Numbers, AFRL, and Mr. Gregg Sears, OPNAV, will serve as Executive Secretary. CAPT James CoBell, USN, will serve as the DSB Secretariat Representative.

The study will operate in accordance with the provisions of P.L. 92-463, the "Federal Advisory Committee Act" and DoD Directive 5105.04, the DoD Federal Advisory Committee Management Program." It is not anticipated that this study will need to go into any "particular matters" within the meaning of title 18, United States Code, section 208, nor will it cause any member to be placed in the position of action as a procurement official.

Frank Kendall