



RESEARCH  
AND ENGINEERING

## THE UNDER SECRETARY OF DEFENSE

3030 DEFENSE PENTAGON  
WASHINGTON, DC 20301-3030

### MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD

SUBJECT: Terms of Reference - Defense Science Board Task Force on Technology Strategy

The objective of the Defense Science Board (DSB) task force on Technology Strategy is to provide timely recommendations (no later than 1 Jul 2018) to the Department of Defense (DoD) on specific elements of a technology strategy for each of the ten Under Secretary of Defense for Research and Engineering (USD(R&E)) priority technology domains: hypersonics; directed energy; command, control, and communications; space offense and defense; cybersecurity; artificial intelligence/machine learning; missile defense; quantum science and computing; microelectronics; and, nuclear modernization.

The DSB will recommend to USD(R&E) objectives for each of the ten priority technology domains that are not being pursued or pursued sufficiently; which would be of significant value for national defense; and which are technologically achievable. The resulting recommendations should include, but are not limited to: the threat to be met or the technological opportunity to be grasped; evidence of the achievability of the recommended objective; how this objective would enhance or enable specific DoD missions; what should be done most urgently to maximize benefit to national security; and, if possible, estimate the broad timeline and investment needed to achieve the desired technical capability.

This DSB Task Force will be sponsored by me as USD(R&E). I am authorized to act upon the advice and recommendations of the DSB. The current DSB Chairman, Dr. Craig Fields, and Vice-Chairman, Dr. Eric Evans, will serve as co-chairmen of this board-level study. Mr. Edward Gliot, acting Executive Director, will serve as the Executive Secretary and DSB Secretariat Representative.

The study members are granted access to those DoD officials and data necessary for the appropriate conduct of their study. The USD(R&E) will serve as the DoD decision-maker for the matter under consideration and will coordinate decision-making as appropriate with other stakeholders identified by the study's findings and recommendations.

The study will operate in accordance with the provisions of Public Law 92-463, the "Federal Advisory Committee Act," and DoD Directive 5105.04, "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.

  
Michael D. Griffin 4/20/2018