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ACQUISITION,
TECHNOLOGY
AND LOGISTICS

Q 6 JAN 2003

MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD

SUBJECT: Terms of Reference - Defense Science Board 2003 Summer Study on the
DoD Roles and Missions in Homeland Security

You are requested to form a Defense Science Board (DSB) Task Force addressing the Department of Defense (DoD) roles and missions in homeland security.

DoD's historic missions of homeland defense and civil support are under review to light of grave terrorist and other threats to US territory and citizenry. The DoD has access to many of the systems engineering, technical capabilities, relevant technologies, logistics expertise, and modeling and simulation capabilities needed for effective homeland security. Defense forces are also critically dependent upon various infrastructures operated by DoD or provided by commercial sources and civil utilities to support its force projection war-fighting mission and also provide force protection to forces stationed within the homeland.

The development of an effective homeland security capability will involve not only the Department of Defense but the direct participation of many other existing federal, state and local agencies as described in the "National Strategy for Homeland Security," Office of Homeland Security, July 2002.

Some of the key questions related to homeland security, which will be addressed by this DSB 2003 Summer Study, are:

- a. What is "homeland defense" and what specific roles and missions will the Department of Defense (DoD) be responsible to accomplish? What are the derivative unique operational responsibilities of US Northern Command?
- b. What are the prioritized goals for DoD support to civil authorities in a national security emergency? What are the derivative unique operational responsibilities of US Northern Command?
- c. What is the role of the National Guard and Reserve in homeland security? What are the implications for their warfighting mission

d. What are the inter-agency processes that need to be put in place to support an integrated security strategy, planning function and operational capabilities? What are the processes for interacting with State and local governments?

c. What are the specific information sharing/fusion requirements with DoD and other governmental and non-governmental agencies? Define the processes and evaluate potential technologies to accomplish this requirement. Determine the optimal communications/hardware architectures.

f. What refinement is needed of theater security cooperation methods with Canada and Mexico? What are the short term and long term optimal goals with respect to homeland defense and military assistance to civil authorities for U.S. cooperation with these countries? Suggest a strategy to achieve these goals that addresses treaties, trade, relations, and impacts.

g. There are known and many unknown vulnerabilities regarding DoD force projection. How will projection issues and responsibilities be addressed in the larger context of homeland security?

h. What are the classes of technologies and systems that DoD should have the lead in developing and fielding which have applications for homeland security as well?

Other areas to be addressed by the 2003 Summer Study include: emergency preparedness and response, defending against catastrophic threats, and consequence management in dealing with weapons of mass destruction (chemical, biological and nuclear).

This study will be co-sponsored by me as the Under Secretary of Defense (AT&L), Assistant to the Secretary of Defense (Nuclear, Chemical, and Biological Defense Programs), Under Secretary of Defense (Policy), and Northern Command (NORTHCOM). The study will be co-chaired by Mr. Donald Latham and Admiral Donald Pilling, USN (Ret). Mr. Paul Bergeron, DATSD Chemical/Biological/Defense, Colonel Neal Anderson, NORTHCOM, and Lieutenant Colonel Craig Costello, Homeland Security Task Force, will serve as Executive Secretaries. Lieutenant Colonel Scott Dolgoff, USA, will serve as the Defense Science Board Secretariat Representative.

The Task Force will operate in accordance with the provisions of P.L. 92-463, the "Federal Advisory Committee Act," and DoD Directive 5105.4, the "DoD Federal Advisory Committee Management Program." It is not anticipated that this Task Force will need to go into any "particular matters" within the meaning of section 208 of Title 18, U.S. Code, nor will it cause any member to be placed in the position acting as procurement official C.

F. C. Aldridge, Jr,