



THE UNDER SECRETARY OF DEFENSE

3010 DEFENSE PENTAGON
WASHINGTON, DC 20301-3010

MAR 01 2010

ACQUISITION,
TECHNOLOGY
AND LOGISTICS

MEMORANDUM FOR CHAIRMAN, DEFENSE SCIENCE BOARD

SUBJECT: Terms of Reference (TOR) – Defense Science Board (DSB) Task Force on the Survivability of DoD Systems and Assets to Electromagnetic Pulse (EMP) and other Nuclear Weapon Effects

You are requested to form a permanent DSB Task Force to assess all aspects of Survivability of DoD systems and assets to EMP and other nuclear weapon effects. This “DSB Task Force on EMP and Nuclear Survivability” should build on the work of the EMP Commission¹ completed in 2008 and related DSB efforts^{2,3} to assess the status and suitability of the nuclear weapon effects enterprise – regarding ionizing radiation and associated effects that are unique to nuclear weapons – to meet DoD requirements for nuclear survivability.

The focus of the Task Force should be to assess implementation of the DoD Instruction⁴ covering nuclear survivability including EMP and to assess the effectiveness of the management oversight group established by the DoD Instruction. Another task is to conduct an independent review and assessment of DoD’s EMP survivability program, and review other matters associated with nuclear survivability, such as the first biennial DoD report to Congress⁵ on EMP survivability.

The Task Force will be sponsored by me as the Under Secretary of Defense for Acquisition, Technology and Logistics. The Assistant to the Secretary of Defense for Nuclear and Chemical and Biological Defense Programs (ATSD(NCB)), is authorized to act upon the advice and recommendations of the Task Force.

Dr. Miriam John and Dr. Joe Braddock will serve as Co-Chairs of the Task Force. Non-governmental Task Force Members will be appointed Special Government Employees in accordance with applicable procedures. ATSD(NCB) will coordinate on all proposed Task Force Members and future changes to the membership list.

¹ Commission to Assess the Threat to the United States from Electromagnetic Pulse Attack, PL 106-398, Title XIV

² Defense Science Board Task Force on Nuclear Weapon Effects Test, Evaluation, and Simulation, dated June 2005

³ Joint Defense Science Board - Threat Reduction Advisory Committee Task Force (DSB-TRAC TF) on the Nuclear Weapons Effects National Enterprise, with terms of reference dated November 3, 2006

⁴ DoDI 3150.09, “The Chemical, Biological, Radiological, and Nuclear (CBRN) Survivability Policy,” dated September 17, 2008

⁵ Section 1048, Duncan Hunter National Defense Authorization Act for FY 2009 (The initial report is scheduled to be submitted in February 2010.)



Colonel Michael Baehre of the Defense Threat Reduction Agency (DTRA) will serve as the Designated Federal Official (DFO). Mr. John Franco, also of DTRA, will serve as the alternate DFO. Changes to the primary or alternate DFO will be coordinated with the ASTD(NCB) and DSB DFO, Mr. Brian Hughes, and annotated by addendum to this TOR.

This Task Force will operate in accordance with the provisions of Public Law 92-463, the "Federal Advisory Committee Act," and DoD Directive 5105.4, the "DoD Federal Advisory Committee Program." It is not anticipated that this Task Force 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 acting as a procurement official. This Task Force TOR will be renewed every two years or upon change of either of the Task Force Co-Chairs.



Ashton B. Carter

MEMBERSHIP LIST

Defense Science Board Task Force on the Survivability of DoD Systems and Assets to Electromagnetic Pulse (EMP) and other Nuclear Weapon Effects

Task Force Chair

Dr. Mim John¹

Dr. Joe Braddock²

Task Force Members

Dr. C. Bryan Gabbard²
Defense Group Inc.

Dr. Maneck Master²
Telecordia

Gen John Gordon, USAF (Ret)²
Independent Consultant

Dr. Gordon Soper²
Defense Group Inc.

VADM Kevin Green, USN (Ret)²
IBM

Dr. Jim Tegnalia¹
Independent Consultant

Dr. Ted Hardeback²
Independent Consultant

GEN John 'Jack' Vessey, USA (Ret)²
Independent Consultant

Dr. Bob Hermann³
Independent Consultant

Dr. Joan Woodard²
Sandia National Laboratories

Footnotes

1 DSB Core Member

2 Requires appointment as Special Government Employee

3. DSB Senior Fellow

Designated Federal Official (DFO):

Colonel Michael Baehre of the Defense Threat Reduction Agency (DTRA)

Mr. John Franco, DTRA, is the alternate DFO.