



# *DSB Newsletter*



October 2007

**Dr. William Schneider, Jr., Chairman**

Mr. Vince Vitto, Vice Chairman

Mr. Brian Hughes, Executive Director

## *Chairman's Corner*

The summer study culminated its effort in a well received outbrief in Irvine, California, on August 16<sup>th</sup>. Key leadership in attendance included the Acting USD(AT&L), the Director, PA&E, the Principal DUSD(P), and the ASD(HD). We had the opportunity to brief the Deputy Secretary of Defense in September and the VCJCS in early October. Well done to all involved for pulling together such a complex and detailed effort.

In early November the DSB office is scheduled to move back into the newly renovated wedge of the Pentagon. The room number will be 3B888, which is accessible via the new "half corridor" between the 8<sup>th</sup> and 9<sup>th</sup> corridor. We will promulgate the new phone numbers once they have been established.

We will be discussing the topics for next year's Summer Study and a transition plan. As the 2008 activities begin to take form, please mark your calendar with the meeting dates listed below.

***Dr. William Schneider***

### ***DSB MEETING DATES FOR 2008***

- 6 - 7 February 2008 – Winter Quarterly
- 21 - 22 May 2008 – Spring Quarterly
- 11 - 22 August 2008 – Summer Study
- 22 - 23 October 2008 – Fall Quarterly

## Membership

The Board continues to actively solicit suggestions for highly qualified scientific and technical candidate members, with special emphasis on women and minority candidates. Prior Task Force participation offers an individual, OSD, and the Board an opportunity to determine a person's interest and suitability to Board activities and is a desirable prerequisite to membership on the Board.

## Task Force Status

- **VTOL/STOL** (co-chairs: ADM Don Pilling, USN (Ret) and Dr. Bill Howard). The task force is to assess what features and capabilities Vertical Take-Off and Landing (VTOL)/Short Take-Off and Landing (STOL) aircraft should have in order to support the nation's defense needs through at least the first half of the 21<sup>st</sup> century. Sponsored by: USD(AT&L). **The report has been released.**
- **Software Assurance** (chair: Dr. Bob Lucky). The task force is to assess the risk the DoD runs as a result of foreign influence on its software and to suggest technology and other measures to mitigate that risk. Sponsored by: USD(AT&L), ASD(NII), STRATCOM. **The report has been released.**
- **Defense Industrial Structure for Transformation** (chair: Dr. Jacques Gansler) As the DoD transforms to meet the new challenges of today's national security environment, the DoD's industrial base will be impacted. This task force will determine the degree of change likely in the industrial base, what plans and policies the Department should develop in response to globalization and the impact of the possible reduction in competition among industrial base competitors. Sponsored by: USD(AT&L), DUSD(IP). **The task force is in progress.**
- **DoD Energy Strategy** (co-chairs: Dr. Jim Schlesinger and GEN Mike Carns (USAF, Ret.)) The task force will re-examine DoD's energy usage practices and will recommend technologies, strategies and policy to achieve an assured energy supply for a broad range of military functions while simultaneously improving energy reliability and security. Sponsored by: USD(AT&L), DDR&E. **The report is in draft.**
- **Nuclear Deterrence Skills** (chair: ADM Henry Chiles (USN, Ret.)) This task force will assess all aspects of nuclear deterrence skills. The study will examine military, federal and contractor attrition at DoD and DoE in these critical skills, assess the progress DoE has made since the Chile Commission report and recommend methods and strategies to maintain a right-sized and experienced work force to ensure viability of the US nuclear deterrent through 2020. Sponsored by: USD(AT&L), ATSD(NCB). **This task force is in progress.**
- **Deployment of the National Guard and Reserves in the Global War on Terrorism** (co-chairs: ADM Don Pilling (USN, Ret.) and GEN Mike Williams (USMC, Ret.)) This task force will study the length and frequency of the deployment of the National Guard and Reserves in the GWOT. It will assess the consequences for force structure and mission capabilities over the course of the GWOT and identify the optimal length and frequency of deployments of National Guards/Reserves during the GWOT. Sponsored by: USD(AT&L), ASD(RA). **This report has been released.**
- **Nuclear Weapons Effects Enterprise** (co-chairs: Dr. Mim John and Dr. Joe Braddock) Joint DSB/TRAC task force to define a national enterprise for nuclear weapons effects modeling, simulation, test and evaluation capabilities. Need for an enterprise solution has become important in light of the possibility of key simulator facilities to close due to lack of paying users. The task force will assess current and planned capabilities and recommend an enterprise to support DoD/DoE requirements in the future. Sponsored by: USD(AT&L), ATSD(NCB). **This report is in draft.**
- **Directed Energy Weapon Systems and Technology Application** (co-chairs Gen Larry Welch (USAF, Ret.) and Dr. Bob Hermann) This task force is looking into the advances in directed energy (DE) applications within DoD. It will identify duplicative efforts, assess DE operational concepts and limitations and recommend an optimal way forward for the DoD to maximize use of

resources, capabilities and hardening capabilities. Sponsored by: USD(AT&L), DDR&E, SAF. **This report is in draft.**

- **2007 Summer Study: Challenges to Military Operations in Support of National Interests** (co-chairs: Dr. Craig Fields and Mr. Rich Haver) The summer study will examine what a future peer challenger will look like and how will they challenge our military operations. It will also look into if we are evolving our capabilities to defeat a peer, near-peer or non-state actor. Sponsored by: USD(AT&L), USD(P). **The summer study is in draft.**
- **Time Critical Conventional Strike from Strategic Standoff** (Dr. Ronald Kerber and Mr. Bob Stein) The task force will examine a set of strategic conventional attack accomplishment routes as described in certain parameters of interest against cost, accuracy and time to respond. It will then make recommendations of development and acquisition strategies as constrained by cost, risk and operational flexibility. Sponsored by: USD(AT&L), USD(I), DDR&E, DUSD(A&T). **This report is in draft.**
- **IED Phase II** (co-chairs: Dr. Eric Evans and LTG Paul Funk (USA, Ret.)) This follow-on task force to the first IED effort will develop strategic and operational plans and examine the goals, process and substance of those plans. It will also act as an independent sounding board to the JIEDDO by providing feedback at a quarterly interval. Sponsored by: USD(AT&L), JIEDDO. **This task force is in progress.**
- **Integrating Sensor-Collected Intelligence** (co-chairs: Mr. John Stenbit and Mr. James Shields) The task force will determine what improvements are needed in tasking, collecting, processing, data storage and fusion, exploitation and the dissemination of information collected by ISR systems. Sponsored by: USD(AT&L), USD(I), STRATCOM, Joint Staff (J8). **This task force is in progress.**
- **Developmental Test and Evaluation** (chair: Mr. Pete Adolph). The task force will examine the T&E organizational roles and responsibilities, policy and practices in oversight of acquisition programs. It will also recommend improvements in the T&E process to discover suitability problems earlier

than they are currently. Sponsored by: USD(AT&L), DUSD(A&T), DOT&E. **This task force is in progress.**

## *Permanent Committees*

- **Nuclear Weapons Surety (JAC)**
- **Defense Intelligence**
- **Electron Devices (AGED)**

## **Army Science Board (ASB)**

**Dr. Frank Akers – Chairman**

**Dr. Lawrence Delaney – Vice Chairman**

The ASB website is located at :

<https://webportal.saalt.army.mil/main/asb.htm>.

## **Naval Research Advisory Committee (NRAC)**

**Dr. Frank Fernandez- Chair**

**Dr. Anna Johnson-Winegar - Vice Chair**

[www.onr.navy.mil/nrac](http://www.onr.navy.mil/nrac)

The Naval Research Advisory Committee held its annual Summer Study at the Space and Naval Warfare Systems Center, San Diego, California, June 18-28 2007. At this meeting the NRAC completed work on the two study panel topics for FY2007. These were:

- **Biometrics** – Panel focused on the tactical applications of biometrics technologies dot he Navy and Marine Corps.
- **Lightening the Load for the Individual Marine** – Study panel focused on how projected technologies might help to reduce combat loads for the individual marine and marine squad.

On June 26 a summary briefing on each topic, containing the principal findings, conclusions and recommendations, was presented to Dr. Delores Etter, the Assistant Secretary of the Navy (Research, Development and Acquisition and other senior Navy Department officials. A similar briefing was presented to senior Navy, Marine Corps and other DoD officials in the Pentagon on September 27.

The fall quarterly meeting of the NRAC was held

in the Pentagon September 26 and 27. The NRAC received briefings from and discussed matters of mutual concern with VADM Morgan (Many N3/N5), LtGEN Amos (Marine Corps Combat Concepts Development Command) and RADM Pekoske (Coast Guard Operations Officer).

The next planned meeting of the NRAC is scheduled for December 11 and 12, at which potential study topics for the coming year will be refined. The meeting will commemorate the 60<sup>th</sup> anniversary of the establishment of the Naval Research Advisory Committee.

## Air Force Scientific Advisory Board (SAB)

**Ms. Heidi Shyu - Chair**  
**Prof. Ann Karagozian - Vice Chair**

The Air Force Scientific Advisory Board (SAB) recently met in Washington on 11 and 12 October 2007. The Board welcomed 11 new members and heard presentations from a number of speakers including Mr. Norm Augustine, former CEO of Lockheed Martin and Chair of the recent National Academies' study on "Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future".

The FY07 SAB studies have been completed and are currently being presented to Air Force leadership. FY08 efforts are already underway as the SAB is in the midst of conducting S&T Quality Reviews of five of the AFRL Directorates. The SAB's new study topics for the upcoming year should be announced very soon. For more information on the SAB, please visit our web site at <https://www.sab.hq.af.mil>.

## Defense Business Board (DBB)

**Chairman: Mr. Michael Bayer**

The Defense Business Board (DBB) released recommendations regarding a framework for studying the compensation of Political Appointees in Executive Levels II, III, IV and V (Report FY07-3) and completed its review of prior tasks, revised "Report FY07-1: Review and Implementation Status of Prior Defense Business Board Recommendations." These reports are available on the DBB's web site at [www.dod.mil/dbb](http://www.dod.mil/dbb)

The DBB will release recommendations of the Tail-to-Tooth Task Group in January. The following joint Task Groups are getting underway and will report on their recommendations in April: DBB-DPB Task on Strengthening DoD Corporate Governance; and DBB-DSB Task Group on the Strategic Relationship Model between DoD and the Industrial Base.

Secretary Gates appointed the following new members to the DBB this year: Carly Fiorina, John Hamre, Mel Immergut, Mark Ronald, and Joe Wright. Member bios are available on the DBB's web site at [www.dod.mil/dbb](http://www.dod.mil/dbb)