



# DSB Newsletter



May 2004

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

Mr. Vince Vitto, Vice Chairman

Mr. Brian Hughes, Executive Director

## *Chairman's Corner*

I would like to welcome Mr. John Stenbit as a new member of the Defense Science Board (DSB). Many of you know John from his former days on the Board and also from his position as the Assistant Secretary of Defense (C3I) and later NII. We all look forward to working with John in the days ahead.

The 2004 DSB Summer Study is well underway. The data gathering, plenary sessions and panel meetings are in full swing. This year's topic is:

### Transition To and From Hostilities

Co-Chairs: Dr. Craig Fields and Mr. Phil Odeen

For all those participating in this year's summer study, please keep the 2-13 August 2004, Irvine, California, meeting dates in mind as your summer schedules fill up.

The DSB has numerous Task Forces underway. Many of these have started-up in the last few months, and some of these efforts are on shortened timelines. Thank you for the extra effort in all of this and for your service in continuing to provide critical, independent advice to the DoD. The DSB is vitally important to the Department.

My thanks to GEN Larry Welch, USAF (ret.), who has agreed to chair the 2004 Fubini Award Selection Committee. All of us look forward to the results of the Committee's deliberations later this summer.

*Dr. William Schneider, Jr.*

*Dr. William Schneider, Jr.*

## **DSB MEETING DATES FOR 2004**

- 2-13 August 2004 – Summer Study in Irvine, CA
- 20-21 October 2004 – Fall Quarterly

## *DSB Secretariat Staff*

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## 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. The roster of current Board members is included in this newsletter.

## Staff Changes

Ms. Brenda Leckey, DSB Executive Officer, is moving to a new position (and a promotion) with the Department of Homeland Security. Brenda has done outstanding work for the DSB and we are all going to miss her dearly. Congratulations Brenda and thank you for keeping this organization humming along. Best wishes in your new job.

Ms. Cheryl Navarro, currently the DSB Executive Assistant, will be the new DSB Executive Officer. Congratulations Cheryl.

## Task Force Status

- **2003 Summer Study: DoD Roles and Missions in Homeland Security** (Co-Chairs: ADM Don Pilling, USN (Ret), and Mr. Don Latham) The study, co-sponsored by USD(AT&L), Assistant to the Secretary of Defense (Nuclear and Chemical and Biological Defense Programs), Under Secretary of Defense (Policy), and Northern Command (NORTHCOM), is tasked to address the Department of Defense (DoD) roles and missions in homeland security. **Final Report (Volume I) has been released. Volume II is in Security Review.** (LTC Dolgoff)
- **2003 Summer Study: Future Strategic Strike Forces** (Co-Chairs: Mr. Vince Vitto and ADM Dennis Blair, USN (Ret)) The study, co-sponsored by USD(AT&L) and the Director, Defense Systems will assess the future strategic strike force needs of the Department of Defense. **The Final Report has been released.** (LtCol Robertson)
- **Operation Enduring Freedom Lessons Learned** (Chair: Gen James McCarthy, USAF (Ret)) This study, co-sponsored by USD(AT&L), VCJS and CENTCOM, is

examining current activities of Operation Enduring Freedom to determine both near- and long-term technical and operational considerations that could be used to improve this operation and future campaigns initiated in the War Against Terrorism. **The Operation Iraqi Freedom main report has been completed. Two Phase IV supporting reports are complete. Several others are in draft.** (LTC Dolgoff)

- **Defense Against Clandestine Nuclear Attack** (Co-Chairs: Dr. William Graham and Dr. Richard Wagner) This study, co-sponsored by USD(AT&L) and the Assistant to the Secretary of Defense (Nuclear and Chemical and Biological Defense Programs), will assess the adequacy of the US ability to detect, identify, respond, and prevent unconventional nuclear attacks by terrorist or sub-national entities. **The Final Report has just come back from Security Review.** (LTC Dolgoff)
- **Unmanned Aerial Vehicles (UAVs) and Uninhabited Combat Aerial Vehicles (UCAVs)** (Co-Chairs: MGEN Ken Israel, USAF (Ret) and Mr. Bob Nesbit) This task force, co-sponsored by USD (AT&L), the former Assistant Secretary of Defense (Command, Control, Communications, and Intelligence), and the Director, Strategic and Tactical Systems, is tasked to conduct a comprehensive review of the Department's plans for the development and fielding of UAV and UCAV systems. **The Final Report has been released.** (CDR Waugh)
- **Unexploded Ordnance - UXO** (Co Chairs: Dr. Delores Etter and Mr. Bill Delaney) This study, co-sponsored by USD(AT&L) and the Deputy Under Secretary of Defense (Installations and Environment), is chartered to address ways to reduce the extremely high cost of UXO clean up and identify technologies to help minimize the environmental impact of continued live-fire training and testing. **The Final Report has been released.** (LTC Dolgoff)
- **Smallpox Vaccine Down Select Process** (Chairman: Dr. George Poste) This Task Force, co-sponsored by USD (AT&L) and the Assistant to the Secretary of Defense (Nuclear and Chemical and Biological Defense Programs), is tasked to perform an independent evaluation of the Department of Defense and Department of Health and

Human Services smallpox vaccine candidates. **The Final Report Summary is in Security Review.** (CDR Waugh)

- **Missile Defense Phase III (Modeling and Simulation)** (Co-Chairs: Gen Larry Welch, USAF (Ret) and Dr. William Graham) This study, co-sponsored by USD(AT&L) and the Missile Defense Agency, will assess the scope of the modeling and simulation (M&S) effort, the fidelity and validity of simulations, and additional opportunities for M&S contribution to BMDS development and evaluation. **The Final Report has been released.** (LtCol Robertson)
- **Enabling Joint Force Capabilities** (Co Chairs: Gen Larry Welch, USAF (Ret) and Dr. Bob Hermann) This study, co-sponsored by USD(AT&L) and the Chairman, Joint Chiefs of Staff, is chartered to review and understand the current state of assigned responsibilities and accountability for joint capabilities, identify unfilled needs and areas, and recommend further steps to strengthen the joint structure's ability to quickly integrate service-provided force capabilities. **The Phase I report has been released. The Phase II report is in Security Review.** (LTC Dolgoff)
- **Integrated Fire Support in the Battlespace** (Co-Chairs: Mr. Vince Vitto and Mr. Bob Nesbit) This study is co-sponsored by Acting USD(AT&L); Commander, Joint Forces Command; Director, Defense Advanced Research Projects Agency; and the Director, Defense Systems. The task force is chartered to assess: the adequacy of current and proposed munitions; Intelligence Surveillance and Reconnaissance (ISR) techniques and mechanisms; the adequacy of battlefield command and control and integration techniques; the current impediments to a fully integrated Air, Land and Sea fire support; and the need for predictive engagement tools and derived intelligence products. **The Task Force is in progress.** (CDR Waugh)
- **Quarantining Guidance for the Severe Acute Respiratory Syndrome (SARS) Epidemic** (Chairman: Dr. Joshua Lederberg) This study, co-sponsored by Acting USD(AT&L) and the Assistant Secretary of Defense (Health Affairs), is chartered to assess quarantining guidance for the Severe Acute Respiratory Syndrome (SARS)

epidemic, to include existing doctrine and process by which quarantine policy is generated; methods, technologies and legal doctrine to allow safe transport of personnel through quarantined areas; identification and tracking of exposed individuals; and features of SARS guidance which may be applicable to future infectious disease outbreaks. **The Task Force is in progress.** (CDR Waugh)

- **Patriot System Performance** (Co-Chairs: Gen Mike Williams, USMC (Ret) and Mr. Bill Delaney) This study, co-sponsored by Acting USD(AT&L) and the Director, Defense Systems, is chartered to assess the recent performance of the Patriot System in OPERATION IRAQI FREEDOM from deployment through use across the threat spectrum, to include logistical, doctrine, training, personnel management, operational and material performance. The Task Force should also understand the causes of all fratricide incidents during OPERATION IRAQI FREEDOM. **The Task Force is in progress.** (CDR Waugh)
- **Corrosion Control** (Co-Chairs: Mr. Larry Lynn and RADM Steve Heilman, USN (Ret.)) This study is co-sponsored by Acting USD(AT&L) and the Deputy Under Secretary of Defense for Logistics and Material Readiness. The Task Force is chartered to assess on going corrosion control efforts across the DoD to include research, current and future technology, personnel training, maintenance processes, design and manufacturing, and unique environments. From these findings the Task Force is to determine which areas, if adequate resources were applied, would provide the most significant advances in combat readiness. **The Task Force is in progress.** (LtCol Robertson)
- **Critical Homeland Infrastructure Protection** (Co-chaired by Dr. Mim John and Dr. Ron Kerber) This study is co-sponsored by Acting USD(AT&L) and the Assistant Secretary of Defense for Homeland Defense. The Task Force is chartered to assess best practices for protecting US homeland installations and recommending various approaches to enhancing security and protection of these facilities. The Task Force is to assess shortfalls, identify promising technology and/or processes, recommend methods to reduce manpower requirements,

identify issues associated with military and private responsibilities for critical facility protection. **The Task Force is in progress.** (LtCol Robertson)

- **2004 Summer Study: Transition To and From Hostilities** (Co-Chairs: Dr. Craig Fields, and Mr. Phil Odeen) The study, sponsored by the Secretary of Defense, is tasked to address the transition to and from hostilities, and will be comprised of seven Panels. **The Summer Study is in progress.** (LTC Dolgoff)
- **Identification Technologies of the Future** (Chair: Dr. Delores Etter; Vice-Chair: Mr. Jeffery Harris) This study is co-sponsored by Acting USD(AT&L) and the Director, Defense Research and Engineering. The Task Force is chartered to assess current technologies and operational concepts to identify and track individuals and material. The investigation should encompass defense, intelligence, and commercial systems including promising technologies in the labs which are not yet deployed. **This Task Force is in progress.** (CDR Waugh)
- **Nuclear Weapon Effects Test, Evaluation and Simulation** (Chair: Dr. Mim John; Vice Chair: Dr. Jay Davis) This study is co-sponsored by Acting USD(AT&L), Director, Operational Test and Evaluation and Assistant to the Secretary of Defense (Nuclear and Chemical and Biological Defense Programs). The Task Force is chartered to develop a comprehensive understanding of DoD needs and specific requirements for Nuclear Weapon Effects test, evaluation and simulation. **This Task Force is in progress.** (CDR Waugh)
- **Future Strategic Strike Skills** (Chair: Mr. Walter Morrow) This study is co-sponsored by Acting USD(AT&L) and Assistant to the Secretary of Defense (Nuclear and Chemical and Biological Defense Programs). The Task Force is chartered to assess current skills available, identify new skills and recommend a strategy for achieving and maintaining the future strategic strike skill set. **This Task Force is in progress.** (CDR Waugh)
- **Identifying and Sustaining US**

**Department of Defense/UK Ministry of Defence Defense Critical Technologies** (US Co-Chairs: Admiral William Studeman and Dr. Anita Jones; UK Chair: Dr. Julia King) This study is a joint US Defense Science Board and UK Defence Scientific Advisory Council effort. The Study is chartered to develop a methodology to identify unique defense technologies as well as commercially developed technologies needing augmentation to fulfill defense niche areas and apply this methodology to develop a list of defense critical technologies. **This study is in progress.** (CDR Waugh)

- **B-52H Re-Engining** (Chair: Gen Mike Carns, USAF (Ret)) This Task Force was sponsored by USD(AT&L) to review and advise on key aspects of the policy and technology issues associated with re-engining the USAF B-52 fleet. The final report was distributed in March 2003. A revision of the report with updated cost data and analysis was begun in February 2004. **The Revised Report is in final draft.** (LtCol Robertson)
- **Aerial Refueling Requirements** (Chair: ADM Don Pilling, USN (Ret)) This study is sponsored by the Deputy Secretary of Defense. The Task Force is to assess current and future requirements with respect to both legacy systems and missions. The Task Force is also chartered to assess various options with respect to aerial refueling capability and any issues associated with the ability of the current fleet to continue to operate. **The Final Report is in draft.** (LtCol Robertson)
- **Contributions of Space Based Radar to Missile Defense** (Co-Chairs: Gen Larry Welch, USAF (Ret) and Dr. Robert Hermann) This study is co-sponsored by Acting USD(AT&L) and the Missile Defense Agency. The Task Force will assess the potential value of Space Based Radar (SBR) capabilities to missile defense and the impact of adding a missile defense mission on the ability of SBR to conduct its primary mission. **The Final Report is in draft.** (LtCol Robertson)
- **Mobility** (Chair: GEN William Tuttle, USA (Ret)) This study is co-sponsored by Acting USD(AT&L), and Director, Defense Systems. The Task Force is chartered to develop a comprehensive understanding of how the strengths and weaknesses of current military transport relate to the general structure of

future mobility. **This Task Force is in progress.** (LTC Dolgoff)

- **Missile Defense Phase IV (Information Policy)** (Co-Chairs: Gen Larry Welch, USAF (Ret) and Dr. William Graham) This study, co-sponsored by Acting USD(AT&L) and the Missile Defense Agency, will assess the state of intelligence understanding of the capabilities, motivations, and attitudes of potential adversaries, and the impact of specific types of missile defense information on adversary capability to develop and have confidence in countermeasures. **This Task Force is in progress.** (LtCol Robertson)
- **Future of the Global Positioning System (GPS)** (Co-Chairs: Dr. James Schlesinger and Dr. Robert Hermann) This study, co-sponsored by Acting USD(AT&L) and the Assistant Secretary of Defense (Networks and Information Integration), will assess the range of issues dealing with Galileo or other future radio navigation satellite systems. This will include capabilities and services within GPS to ensure its viability in commercial markets, the impact on frequency spectrum use, access and denial issues, and possible alternatives. The Task Force should also assess areas the DoD should seek partnering relationships outside the DoD. **This Task Force is in progress.** (LtCol Robertson)
- **Munitions System Reliability** (Chair: MGEN Ken Israel, USAF (Ret.)) This study is co-sponsored by Acting USD(AT&L) and the Assistant Secretary of Defense for Special Operations and Low Intensity Conflict. The Task Force will assess the failure rates of U.S. munitions, review ongoing efforts to reduce unexploded ordnance resulting from munitions failures, and identify measures to reduce the threat failed munitions pose to friendly forces and noncombatants. **This Task Force is in progress.** (CDR Waugh)

#### [DSB Reports published since January 2004:](#)

- **Operation Iraqi Freedom Lessons Learned (December 2003) (released in March 2004)**
- **Future Strategic Strike Forces (February 2004)**
- **Unmanned Aerial Vehicles and Uninhabited Combat Aerial Vehicles (February 2004)**
- **Missile Defense Phase III, Modeling and Simulation (March 2004)**

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

**Dr. James Tegnelia – Chairman**  
**COL Jeff Willey - Executive Secretary**  
**Mr. Wayne Joyner - Executive Assistant**

After serving for two years as the ASB Vice Chairman, Dr. Jim Tegnelia assumed the duties as the ASB Chairman. The effective date of his appointment is 1 April 2004. Dr. Tegnelia replaces Dr. Joe Braddock who served as ASB Chair for the past two years. The next Vice Chairman of the ASB is pending approval by the Acting Secretary of the Army.

#### **FY04 Overarching Studies**

The Army Science Board is conducting two concurrent summer studies. We will brief the results of both these studies to senior Army leaders at the University of California, Irvine Beckman Center on 23 July 2004.

**Force Balance Study.** “Characterizing both the Capability Enhancement Synergisms and the Distribution of Resourcing Risks between Current and Future Force Options” (Co-chaired by Dr. Joe Braddock, LTG Bill Campbell (USA, Retired) and Mr. Bill Yeakel). Study Terms of Reference were approved 22 December 2003. This study is organized into five panels: **Future Operations** co-chaired by LTG Bob Noonan (USA, Retired) and GEN John Tilelli (USA, Retired); **Resources** co-chaired by Mr. John McDonald and LTG Max Noah (USA, Retired); **Technology** co-chaired by

Mr. Kurt Kovach and Mr. Andrus Viilu; **DOTMLPF** co-chaired by LTG Paul Funk (USA, Retired) and LTG Charles Otstott (USA, Retired); and **Analysis / Integration** co-chaired by Dr. Stuart Starr and Mr. John Matsumura. As the title suggests, this study will analyze and assess distribution of resourcing options and related risks as the Army invests in development of the Future Force and maintains the Current Force.

**FCS Urban Ops Study.** “Critical Technologies and Capabilities for FCS in Urban Combat and Stabilization Operations”, (Co-chaired by Mr. Gil Herrera, LTG Randy Rigby (USA, Retired) and Dr. Tony Hyder). Study Terms of Reference were approved 22 December 2003. This study is organized into five panels: **Joint Urban Operations and Stabilization** co-chaired by Mr. Joseph Santarelli and MG Bob Scales (USA, Retired); **Network Centric Information** co-chaired by Mr. Kalle Kontson and Dr. Barry Horowitz; **Personnel, Learning and Leadership** co-chaired by Mr. L. Neale Cosby and BG Jim Ralph (USA, Retired); **Fielding, Testing, Evaluation and Experimentation** co-chaired by Mr. Charles Vehlow and Dr. Ed Reedy; and a **Gold Panel** comprised of senior members that will work with the four other panels (Mr. Dick Ladd, and LTG Jack Woodmansee (USA, Retired)). This study will examine critical technologies and capabilities for Future Combat Systems (FCS) in urban combat and stabilization operations.

#### Ad Hoc Studies

**Combat Identification Study.** “Combat Identification Strategies for Current, Stryker and Objective Forces” (Chaired by LTG Jack Woodmansee (USA, Retired)). This quick turn-around study was completed and briefed in December. A briefing and executive summary are the final study products and were provided to major study sponsors. The ASB may decide to distribute the results of this study in a publication (TBD).

**Directed Energy Weapons Study.** (Co-chaired by Dr. Greg Canavan, LTG Malcolm O’Neil (USA, Retired) and Dr. Mike Wartell). The study Terms of Reference were approved 9 December 2003. This study examines the implications of directed energy weapons and devices on the future battlefield. The study is continuing and is expected to be completed in July 2004.

**Theater Supply Distribution Study.** (Co-Chaired by GEN David Maddox (USA, Retired) and Dr. Marygail Brauner) The study Terms of Reference were approved 15 March 2004. The study will examine intra-theater logistics deployment and supply distribution processes and capabilities. It is anticipated this study will report out its findings during the Summer Study outbrief session in July 2004.

The ASB conducted plenary sessions in February and April 2004. Senior Army leaders and subject matter experts addressed the group on a variety of topics associated with the Summer Studies. Additionally, individual panels were given the time to report out their progress to date. The two ongoing Ad Hoc studies met several times as well during the last quarter. A final plenary for all studies is scheduled for June 2004. The ASB Summer Session is planned for 12-23 July at the Beckman Center in Irvine, California, with a briefout to senior leaders on 23 July.

For more information on the ASB visit:  
<https://webportal.saalt.army.mil/SARD-ASB/default.htm>

#### Naval Research Advisory Committee (NRAC)

Mr. John M. “Jack” Bachkosky – Chair  
CAPT Dennis L. Ryan, III, USN (Ret.) -  
Program Director

Three studies from last year are in the process of being approved for public release. Those studies were:

*Science and Technology in FORCENet;*  
*Technology Acquisition Reform;* and  
*Electromagnetic Gun Technology Assessment.*

As reported in the last newsletter a special panel on Venture Capital has been initiated within NRAC. The panel has met three times and is becoming familiar with opportunities within the Naval Service where cutting edge technology from the civilian sector can be injected.

The three topics selected for this year's study are:

***Sea Basing;***  
***Modular Science and Technology for Modular Mission Packages;*** and  
***Science and Technology for Naval Warfare, 2015-2020.***

The first two topics will be addressed during this year's Summer Study. The third topic will meet to report out by the end of the calendar year. Initial fact finding meetings have been held for the first two topics and several more are planned prior to the Summer Study.

This year the Summer Study will take place at the Naval Postgraduate School in Monterey, California, from 26 July to 6 August.

For more information on NRAC activities visit <http://nrac.onr.navy.mil/webospace>

## Air Force Scientific Advisory Board (SAB)

**Dr. Daniel E. Hastings - Chair**  
**Ms. Heidi Shyu - Vice Chair**  
**Lt Gen John D.W. Corley - Military Director**  
**Col Charles D. Bowker - Executive Director**

**FY04 Spring Board Meeting.** The FY04 Spring Board Meeting was held 13 - 16 April 2004 at Langley AFB, VA. Progress on FY04 SAB studies for *Operationalizing Space Launch* and *Networks to Enable Coalition Operations* were briefed. Members were briefed by the SAB Military Director, Panel Chairs, and ACC Commander, General Hal Hornburg, who spoke on "ACC Today and Tomorrow."

**FY04 Summer Session Meeting Dates Announced.** The Air Force Scientific Advisory Board will hold its annual Summer Session the last two weeks of June in Irvine, CA. Study Chairs will outbrief their respective studies' findings on 1 July.

**FY05 Fall General Board Meeting Dates Announced.** The Air Force Scientific Advisory Board will hold its annual Fall General Board Meeting from 12-13 October 2004 at the SAFTAS Conference Center in Rosslyn, VA. There will be

a welcome of the new members and a celebration to commemorate 60 years of the SAB.

**Call for FY05 Study Topics.** The Air Force Scientific Advisory Board is seeking suggestions for their FY05 Study Topics. Please e-mail your suggestions to Lt Col Mark Nowack at [Mark.Nowack@pentagon.af.mil](mailto:Mark.Nowack@pentagon.af.mil).

**Publishing Status.** The following studies are awaiting security and publication clearance from OSD and the Air Staff:

- *Unmanned Aerial Vehicles in Perspective, Volume 1*
- *Technology for Machine-to-Machine ISR Integration, Volume 1*

The following study has been published and is in distribution: *Unmanned Aerial Vehicles in Perspective, Volume 0*

### **Summer Study Committee: Networks to Enable Coalition Operations.**

Since the study's launch, NECO study contingents visited and/or collected information from several commands, including: USEUCOM, USPACOM, USSOUTHCOM, USCENTCOM, USNORTHCOM, and USJFCOM. It also received information from the following MAJCOMS: ACC, AFMC, AFSOC, PACAF, and USAFE. Fact finding trips include 16th AF (Aviano AB), 32nd AOG (Ramstein AB), AWC's Red Flag, Blue Flag, and Virtual Flag Exercises, and USCENAF. Members briefed by ASD/NII, DOD Office of Force Transformation, USAF's Task Force Enduring Look, AF/XO, AF-CIO, SAF/IA, CIA, DIA, NSA, DISA, JIATF-S, and State Department. Study contingents visited NATO-ACT, NATO-ACO (SHAPE), NATO NC3A, and NATO HQ.

**Ad Hoc Study: Operationalizing Space Launch (OSL).** Since the study's initiation, the OSL study participants have visited and collected information from the following: Vandenberg AFB, CA; Kennedy Space Center, FL; Cape Canaveral Air Force Station, FL; NASA's Wallops Island, VA; Space Port, Peterson AFB, CO. Further, they are planning a trip in May to the Kodiak, AK, Ridesharing Conference.

**Quick Look Study: Human Systems Interaction (HSI).** HSI has made two study trips, briefed Senior Review Group (SRG) at Spring Board, and is planning their next study trip 3-5 May 2004. First study trip was to Wright Patterson AFB, where members interviewed and received briefings from AFRL/HE, ASC/EN and Lt Gen Reynolds, AFMC/CV. During Spring



Board, members updated the SRG with initial findings and took the opportunity to interview Lt Gen Corley, SAF/AQ, and Mr Jim Engle, SAF/AQR. The most recent study trip on 20-22 April, involved meetings and discussions with MITRE (ESC/EN), Army Research Lab & MANPRINT PMO, SAF/AQR, NAVAIR, NAVSEA, and AFRL/IF.

## The DIA Advisory Board

**Dr. Michael Wartell – Chairman**

**Mr. Frank Kendall – Vice Chair**

**Ms. Jane McGehee – Program Manager & Executive Secretary**

The DIA Advisory Board held its second FY04 plenary meeting 25-26 February at the ANSER conference facility in Arlington VA. The board is being included in several of the key transformational issues DIA is tackling, to include Horizontal Integration, deployment, communication strategies, and improving the three core mission areas – collection, analysis, and information management. The integration of the collector and the analyst was identified as an ideal challenge for the board to consider. As a follow-on project, several members will be meeting this month to deliberate on specific topics or messages the DIA workforce should be receiving from their leadership. The board was very engaged with the development of the DIA strategic plan, and will continue to advise on the operational plans that are currently under development. The next full board meeting is scheduled for 23-24 June 2004.

# Defense Science Board Active Task Forces

Green – Army Mil Assist

Light Blue – Air Force Mil Assist

Dark Blue – Navy Mil Assist

ID	Task Force	TOR Date	Finish	Jan '04	Feb '04	Mar '04	Apr '04	May '04	Jun '04	Jul '04	Aug '04
1	<b>ENDURING FREEDOM LESSONS LEARNED</b>	12/14/01	6/15/04	[Green Bar]				Phase IV Main Report Complete			
2											
3	<b>DEFENSE AGAINST CLANDESTINE NUCLEAR ATTACK</b>	4/9/02	5/12/04	[Green Bar]				Security Review Complete			
4											
5	<b>UNMANNED AERIAL VEHICLES &amp; UNINHABITED COMBAT AERIAL VEHICLE</b>	7/15/02	4/5/04	[Dark Blue Bar]				Final Report Released			
6											
7	<b>UNEXPLODED ORDNANCE</b>	9/26/02	12/15/03	[Dark Blue Bar]				Final Report Released			
8											
9	<b>SMALLPOX VACCINE DOWNSELECT</b>	10/2/02	6/4/04	[Dark Blue Bar]				Summary Report in Sec Review			
10											
11	<b>MISSILE DEFENSE PHASE III (MODELING &amp; SIMULATION)</b>	1/30/03	3/25/04	[Light Blue Bar]				Final Report Released			
12											
13	<b>ENABLING JOINT FORCE CAPABILITIES, PHASE II</b>	2/3/03	6/10/04	[Green Bar]				Phase II Report in Sec Review			
14											
15	<b>INTEGRATED FIRE SUPPORT</b>	6/3/02	7/30/04	[Dark Blue Bar]				In Progress			
16											
17	<b>QUARANTINING GUIDANCE FOR SARS</b>	6/11/02	6/30/04	[Dark Blue Bar]				In Progress			
18											
19	<b>PATRIOT SYSTEM PERFORMANCE</b>	6/3/02	6/30/04	[Dark Blue Bar]				In Progress			
20											
21	<b>CORROSION CONTROL</b>	11/4/03	8/31/04	[Light Blue Bar]				In Progress			
22											
23	<b>CRITICAL HOMELAND INFRASTRUCTURE PROTECTION</b>	1/20/04	10/29/04	[Light Blue Bar]				In Progress			
24											
25	<b>2003 SS: DoD ROLES &amp; MISSIONS IN HOMELAND DEFENSE</b>	1/3/03	5/28/04	[Green Bar]				Vol II Report in Security Review			
26											
27	<b>2003 SS: FUTURE STRATEGIC STRIKE FORCES</b>	1/31/03	2/12/04	[Light Blue Bar]				Final Report Released			
28											
29	<b>2004 SS: TRANSITIONING TO AND FROM HOSTILITIES</b>	1/23/04	11/30/04	[Green Bar]				In Progress			
30											
31	<b>IDENTIFICATION TECHNOLOGIES OF THE FUTURE</b>	10/21/03	9/30/04	[Dark Blue Bar]				In Progress			
32											
33	<b>NUCLEAR WEAPON EFFECTS TEST, EVAL &amp; SIM</b>	1/21/04	11/30/04	[Dark Blue Bar]				In Progress			
34											
35	<b>FUTURE STRATEGIC STRIKE SKILLS</b>	2/24/04	12/15/04	[Dark Blue Bar]				In Progress			
36											
37	<b>IDENTIFYING &amp; SUSTAINING US DOD / UK MOD CRIT TECH</b>	4/21/04	2/15/05	[Dark Blue Bar]				In Progress			
38											
39	<b>B-52H RE-ENGINEING (REVISION)</b>	1/15/04	5/13/04	[Light Blue Bar]				Revised Report in Final Draft			
40											
41	<b>AERIAL REFUELING REQUIREMENTS</b>	2/1/04	5/14/04	[Light Blue Bar]				Final Report is in Draft			
42											
43	<b>CONTRIBUTIONS OF SBR TO MISSILE DEFENSE</b>	2/2/04	6/10/04	[Light Blue Bar]				Final Report is in Draft			
44											
45	<b>MOBILITY</b>	2/20/04	10/29/04	[Green Bar]				In Progress			
46											
47	<b>FUTURE OF THE GLOBAL POSITIONING SYSTEM</b>	4/9/04	11/30/04	[Light Blue Bar]				In Progress			
48											
49	<b>MISSILE DEFENSE PHASE IV (INFORMATION POLICY)</b>	4/13/04	11/30/04	[Light Blue Bar]				In Progress			
50											
51	<b>MUNITIONS SYSTEM RELIABILITY</b>	4/30/04	2/15/05	[Dark Blue Bar]				In Progress			

## *Defense Science Board Members and Ex Officio*

### **CHAIRMAN**

Dr. William Schneider, Jr., International Planning Services, Inc.

### **VICE CHAIRMAN**

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