



ComDef 2008

Defense Priorities in an Age of Persistent Conflict

3rd September 2008 National Press Club, Washington, DC

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Individuals with disabilities requiring special accommodations should contact Quentin Whiteree at (703) 760 0762 at least two weeks prior to the event.

ComDef 2008 Handbook

Editor-in-Chief	Quentin Whiteree
Editor	Carole H. Whiteree
Printed by	Lake Lithograph, Manassas, VA
Protocol	Diana Webb, CMP



THE VICE PRESIDENT
WASHINGTON

July 31, 2008

Dear Friends:

I am pleased to extend my greetings to those who are participating in the 2008 Common Defense Conference (ComDef 2008). I understand this year's conference, *Defense Priorities in an Age of Persistent Conflict*, marks the twenty-first anniversary of the first ComDef event held in 1987. This accomplishment must bring each of you great satisfaction and pride.

Nearly seven years ago, we saw that dangers can accumulate on the far side of the world, yet still find us in our own country. You and every member of our military can be certain that America will stay on the offensive in the war on terror. President George W. Bush and his Administration understand the enemy's changing tactics and its unchanging nature. We know we are not dealing with adversaries that will surrender or suddenly come to their senses. We will make every change necessary to do the job. I want you to know that the American people will not support a policy of retreat. We want to complete the mission, we want to get it done right, and then we want to return home with honor.

I send my best wishes for a successful conference to all those gathered for this event.

Sincerely,

A handwritten signature in black ink that reads "Dick Cheney". The signature is written in a cursive style with a large, sweeping initial "D".

ComDef 2008
IDEEA, Inc.
6233 Nelway Drive
McLean, Virginia 22101



ComDef 2008

ComDef 2008

Washington, DC Conference

Defense Priorities in an Age of Persistent Conflict

National Press Club, Washington, DC September 3rd, 2008

**IDEEA, Inc., 6233 Nelway Drive, McLean, VA 22101, USA Tel: 703 760 0762 Fax: 703 760 0764
Email: qwhiteree@ideea.com WWW: <http://www.ideea.com>**

3 September, 2008

Dear Colleagues,

As we head towards a new Administration, the recent conflagration in the Caucasus has added to the threats to world order in the form of terrorism and lawlessness. The two decades since the first ComDef event in 1987 represent unprecedented and accelerating change. Advanced technology, developed commercially, has a seemingly endless capacity for misuse by anti social forces. The regulatory institutions controlling this technology, and the implementing procedures are undergoing increased scrutiny. Meanwhile, adversaries unencumbered by bureaucracy, recognize and employ capability with enviable flexibility.

These issues will all be covered at ComDef 2008. There is much to discuss, much to decide and the clock is running.

ComDef for 20 years has confronted these subjects head on and has been used as a sounding board for new and innovative approaches for the common defense of us all.

David Whiteree.
Chief Executive

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Defence and civil security organisations everywhere have the same responsibility – to prepare for what might lie ahead. Saab's established international portfolio is built on over seventy years of experience in civil and military technologies, and our experts draw on our history of knowledge and learning to meet that demand.

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PURPOSE	PREPARATION
FUNCTION	SECURITY
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ComDef 2008

Program at a Glance

Al Volkman, Director Int'l Cooperation, OUSD AT&L
(Confirmed)

Dr. Jennifer Stewart, DG, Def. Procurement, Embassy of Canada
(Confirmed)

0800-0805	Introductions of the Moderators
0815-0845	<p><u>Keynote - Defense Priorities</u></p> <ul style="list-style-type: none"> • Marshall Billingslea, Deputy Under Secretary of the Navy, Department of Defense (Confirmed)
0845-0915	<p><u>JFCOM Keynote: Multinational Coalitions</u></p> <ul style="list-style-type: none"> • Major General William M. Rajczak, USAF, Deputy Director for Joint Capabilities Development & Joint Doctrine Directorate, U.S. Joint Forces Command, Norfolk, VA (Confirmed)
0915-0945	<p><u>Defense Microelectronics – The Way Forward</u></p> <ul style="list-style-type: none"> • Ted J. Glum, Director, DMEA (Confirmed)
0945-1000	BREAK
1000-1025	<p><u>European Union Research and Development Funding Profiles</u></p> <ul style="list-style-type: none"> • Declan Kirrane, Managing Director, ISC Intelligence in Science (Confirmed)
1025-1045	<p><u>European Defense Initiative – Challenges and Opportunities</u></p> <ul style="list-style-type: none"> • BGEN (Arm't) PhD Olivier-Pierre Jacquotte, Def. Coop'n Attache, Embassy of France (Confirmed)
1045-1115	<p><u>Defense Security Assistance Initiatives</u></p> <ul style="list-style-type: none"> • Jeanne Farmer, Principal Director, Programs Directorate, Defense Security Cooperation Agency (Confirmed)
1115-1145	<p><u>Where Do We Go From Here?</u></p> <ul style="list-style-type: none"> • Alan R. Shaffer, Principal Deputy Director, Defense Research and Engineering, Department of Defense (Confirmed)
1200-1330	<p><u>Lunch: Hard Choices</u></p> <ul style="list-style-type: none"> • Guy Saint-Jacques, DCM, Embassy of Canada, Washington, DC (Confirmed)
1345-1445	<p><u>Cybersecurity – the 21st Century Domain</u></p> <ul style="list-style-type: none"> • John M. Gilligan, Gilligan Group, Inc. (Confirmed) • BGen. Jennifer Napper, USA, Deputy JTF-GNO Commander, DISA (Confirmed) • Dr. Linton Wells, II, Research Professor, NDU (Confirmed) • Moderator: Guy Copeland, VP, Information Infrastructure Advisory Programs, CSC (Confirmed)
1445-1500	BREAK
1500-1630	<p><u>International Defense Industry Trends</u></p> <ul style="list-style-type: none"> • Dr. Stephen D. Bryen, President, Finmeccanica Inc. (Confirmed) • Ronald T. Covais, Corp.VP, International Business Development, Lockheed Martin (Confirmed) • Jonas Hjelm, Group Senior Vice President, Government Relations, Saab AB (Confirmed) • Jeff B. Kohler, VP, International Strategy, Boeing Integrated Defense Systems (Confirmed) • Robert Murphy, Senior Vice President, Finance and CFO, BAE Systems (Confirmed) • RADM David R. Oliver, Jr. USN (Ret), Exec. VP EADS North America (Confirmed) • Torkel Patterson, President, Raytheon International (Confirmed) • Robert C.I. Ryan, VP Defense, Canadian Commercial Corporation (Confirmed) • Moderator: Vago Muradian, Editor, Defense News (Confirmed)
1630-1800	<p><u>Modernizing Export Controls for Coalition Interoperability</u></p> <ul style="list-style-type: none"> • Gertie Arts, Defense Cooperation Attache, Embassy of the Netherlands (Confirmed) • Ambassador Andreas Ekman, Director General, Inspectorate of Strategic Products, Sweden (Confirmed) • Dr. Uwe M. Koch, Minister-Counselor Def. Coop'n, Embassy of Germany (Confirmed) • Beth McCormick, DUSD for Technology Security Policy and National Disclosure Policy and Director, DTSA (Confirmed) • Andrew Radcliffe, Counselor, Def. Equipment, British Embassy (Confirmed) • Frank Ruggiero, Deputy Assistant Secretary for Defense Trade and Regional Security, Bureau of Political-Military Affairs (Confirmed) • BGEN Mirco Zuliani, Def. Attache, Embassy of Italy (Confirmed) • Moderator: Remy Nathan, Asst. VP, International Affairs, AIA (Confirmed)
1800-1930	<u>Defense & Service Attache Reception</u>

Version 1.3 8/21/08 All speakers have been invited. The organizers reserve the right to change the topics, speakers and timing based on exigencies of the day and availability of speakers.



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Schedule of Events

- 0800-0815 **INTRODUCTION OF CO-MODERATORS** - **Quentin Whiteree**, President, IDEEA, Inc
- **Al Volkman**, *Director Int'l Cooperation, OUSD AT&L*
 - **Dr. Jennifer Stewart**, *Director General, Defence Procurement, Embassy of Canada, Washington, DC*
- 0815-0845 **DEFENSE PRIORITIES**
- **Marshall Billingslea**, *Deputy Under Secretary of the Navy, U.S. Department of Defense*
- 0845-0915 **JFCOM KEYNOTE: MULTINATIONAL COALITIONS**
- **Major General William M. Rajczak, USAF**, *Deputy Director for Joint Capabilities Development & Joint Doctrine Directorate, U.S. Joint Forces Command, Norfolk, VA*
- 0915-0945 **WHERE DO WE GO FROM HERE?**
- **Alan R. Shaffer**, *Principal Deputy Director, Defense Research and Engineering, Department of Defense, DoD*
- 0945-1000 BREAK
- 1000-1025 **EUROPEAN UNION RESEARCH AND DEVELOPMENT FUNDING PROFILES**
- **Declan Kirrane**, *Managing Director, ISC Intelligence in Science*
- 1025-1045 **EUROPEAN DEFENSE INITIATIVE – CHALLENGES AND OPPORTUNITIES**
- **BGEN (Arm't) PhD Olivier-Pierre Jacquotte**, *Defense Cooperation Attache, Embassy of France, Washington, DC*
- 1045-1115 **DEFENSE SECURITY ASSISTANCE INITIATIVES**
- **Jeanne Farmer**, *Principal Director, Programs Directorate, Defense Security Cooperation Agency*
- 1115-1145 **DEFENSE MICROELECTRONICS – THE WAY FORWARD**
- **Ted J. Glum**, *Director, DMEA*

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1200-1330 LUNCH: HARD CHOICES

- **Guy Saint-Jacques**, Deputy Chief of Mission, Embassy of Canada, Washington, DC

1345-1445 CYBERSECURITY – THE 21ST CENTURY DOMAIN

- **John M. Gilligan**, Gilligan Group, Inc.
- **BGen. Jennifer Napper, USA**, Deputy JTF-GNO Commander, DISA
- **Dr. Linton Wells, II**, Research Professor, NDU

Moderator: **Guy Copeland**, Vice President, Information Infrastructure Advisory Programs, CSC

1445-1500 BREAK

1500-1630 INTERNATIONAL DEFENSE INDUSTRY TRENDS

- **Dr. Stephen D. Bryen**, President, Finmeccanica Inc.
- **Ronald T. Covais**, Corporate Vice President, Int'l Business Development, Lockheed Martin
- **Jonas Hjelm**, Group Senior Vice President, Government Relations, Saab AB
- **Jeff B. Kohler**, Vice President, International Strategy, Boeing Integrated Defense Systems
- **Robert Murphy**, Senior Vice President, Finance and CFO, BAE Systems
- **RADM David R. Oliver, Jr. USN (Ret)**, Exec. Vice President, EADS North America
- **Torkel Patterson**, President, Raytheon International
- **Robert C.I. Ryan**, Vice President Defense, Canadian Commercial Corporation

Moderator: **Vago Muradian**, Editor, Defense News

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1630-1800 **MODERNIZING EXPORT CONTROLS FOR COALITION INTEROPERABILITY**

- **Gertie Arts**, *Defense Cooperation Attache, Embassy of the Netherlands*
- **Ambassador Andreas Ekman**, *Director General, Inspectorate of Strategic Products, Sweden*
- **Dr. Uwe M. Koch**, *Minister-Counselor Def. Coop'n, Embassy of Germany, Washington, DC*
- **Beth McCormick**, *DUSD for Technology Security Policy and National Disclosure Policy and Director, DTSA*
- **Andrew Radcliffe**, *Counselor, Defence Equipment, British Embassy*
- **Frank Ruggiero**, *Deputy Assistant Secretary for Defense Trade and Regional Security, Bureau of Political-Military Affairs*
- **BGEN Mirco Zuliani**, *Defense Attache, Embassy of Italy, Washington, DC*

Moderator: **Remy Nathan**, *Assistant Vice President, International Affairs, AIA*

1800-1930 **DEFENSE & SERVICE ATTACHE RECEPTION**

Call for Papers

Should you wish to present at an upcoming ComDef event, please submit a 200 word synopsis by email to qwhiteree@ideea.com including:- title, presenter and subject matter. We would also welcome suggestions for topics and/or themes.



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Future ComDef Events



ComDef 2008 Washington, DC Conference

September 3rd - NPC - Defense Priorities in an Age of Persistent Conflict

ComDef 2008 Tucson Conference

November 17-19th - Westward Look, Tucson - Technologies for Border Security, Trade and Commerce

ComDef West 2009 Conference

March - San Diego - TBD



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ComDef'87	Arlington, VA	Let's not Reinvent the Wheel
ComDef'88	Arlington, VA	Military Requirements for Defense Cooperation
ComDef'89	Washington DC	Sharing the Burden
ComDef'90	Washington DC	Partners in Technology Sharing
ComDef'92	Norfolk, VA	Interesting Times – International Defense Cooperation in an Age of Change
ComDef'93	Norfolk, VA	International Defense in the Clinton Era
ComDef'94	Arlington, VA	Keeping the Peace
ComDef'95	Vancouver, BC	Asia-Pacific
ComDef'96	Washington DC	International Partnerships – Beyond 2000
ComDef'97	Washington DC	Focus on Procurement: Acquiring the Best
ComDef'97	Vancouver, BC	Asia – Ties across the Pacific
ComDef'98	Washington DC	Protecting the Force
ComDef'99	Melbourne, Australia	Defense Cooperation in the Asia Pacific Region
ComDef'00	Washington DC	Shifting Alliances in Defense Cooperation
ComDef'01	Washington DC	Globalism Cooperation and Defense Transformation
ComDef'02	Washington DC	Driving Interoperability - Transforming Coalitions
ComDef'03	Washington DC	Coalitions & Partners
ComDef West'04	San Diego, CA	C4ISR & Defense Transformation
ComDef 2004	Washington DC	Transformation & Cooperation at the Crossroads
ComDef Phoenix 2004	Phoenix, AZ	Manufacturing Technology, Global Supply Chains & Smart Cluster Initiatives
ComDef West 2005	San Diego, CA	C4ISR - Building the Networks
ComDef 2005	Washington, DC	Transformation and the New Realities in Defense Cooperation
ComDef West 2006	San Diego, CA	Facilitating Effective Coalitions
ComDef 2006	Washington, DC	Towards Interoperability
ComDef Tucson 2006	Tucson, AZ	Technologies for Border Security
ComDef West 2007	San Diego, CA	Joint & Coalition Cooperation in the Littorals
ComDef 2007 Ottawa	Ottawa, Canada	Immediate Technologies for Border Security
	Adelaide, Australia	Border Security Workshop at D+I
ComDef 2007	Washington, DC	Let's Not Reinvent the Wheel – 20th Anniversary
ComDef Tucson 2007	Tucson, AZ	Technology Innovations at the Border
ComDef West 2008	San Diego, CA	Towards a Common Operating Picture
ComDef 2008	Washington, DC	Defense Priorities in an Age of Persistent Conflict
ComDef Tucson 2008	Tucson, AZ	Technologies for Border Security

Schedule of Events

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POC. Greg Alan Caires, Director, Public Relations
Tel: 703.907.8261

BAE Systems is the premier global defense and aerospace company delivering a full range of products and services for air, land and naval forces, as well as advanced electronics, information technology solutions and customer support services. With approximately 100,000 employees worldwide, BAE Systems' sales exceeded \$31.4 billion in 2007.

The logo for Computer Sciences Corporation (CSC), featuring the letters "CSC" in white, bold, uppercase letters on a red, slightly 3D-effect rectangular background.

Computer Sciences Corporation
3110 Fairview Park Drive, Falls Church, VA 22042
POC. Debbie Kesselring, Director
Tel: 703 205 6393, Fax: 703 573 5563

CSC is a leading global business solutions and information technology (IT) services company. CSC's North American Public Sector (NPS) provides IT, business operations, and specialized engineering expertise to our government clients. CSC NPS supports clients' needs for operational effectiveness and efficiencies through proactive innovation processes, ensuring modern technology transformations.

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POC: Gibson G. LeBoeuf, Vice President, Washington Relations

Raytheon is a technology leader specializing in defense, homeland security and other government markets throughout the world. Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and C3I systems, as well as a broad range of mission support services. With headquarters in Waltham, Mass., Raytheon employs 72,000 people worldwide.

The logo for Saab Technologies, featuring a circular emblem with a crown and a griffin head, surrounded by the words "SAAB" and "TECHNOLOGIES", next to the word "SAAB" in a large, bold, blue, sans-serif font.

Saab Technologies Inc,
2900 K Street NW, Suite 505,
Washington DC 20007
Tel: 202 536 1563, Fax: 202 536 1564
POC: Lars Bjerde, Senior Vice President

Saab serves the global market with world-leading products, services and solutions ranging from military defense to civil security. Saab's operations are focused on three strategic business segments: Defense and Security Solutions, Systems and Products, and Aeronautics. Saab has operations and employees on all continents.

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POC: Robert C.I. Ryan, Vice President

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POC: Mark Aitken, Communications & Public Affairs Manager

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POC: Linda Goray

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Tel: (202)467-2680, Fax: (202)467-2688
POC: Anders Florenius, Counselor for Defense Industry Cooperation

The Swedish defense industry, in collaboration with the Defense Research Institute (FOI) and the Defense Materiel Administration (FMV), has for a long time formed a base to develop and manufacture advanced defense systems, many world renowned. Sweden will continue to take an active part in European and Trans-Atlantic defense restructuring and also continue the extremely important collaboration with the United States.

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Speakers

Gertie P.W. Arts (MA) is the Defense (Materiel) Cooperation Attache at the Netherlands Embassy (June 2005). In DC she chairs the Defense MOU Attachés Group; a network of the Washington D.C. based Defense Cooperation Attachés of 21 nations with bilateral defense procurement Memoranda of Understanding with the United States. Earlier, Ms. Arts worked as the Personal Advisor of the Director of the Netherlands Defense Materiel Organization. Ms. Arts started in the Royal Netherlands Army as a project manager. After leaving the Royal Netherlands Army in 1997, Ms. Arts started working at ministerial level, firstly as Advisor Commercial and Industrial Policy (1997-1999), then as Advisor Defense Materiel Cooperation (2000-2004). Her area of responsibility was transatlantic cooperation (NATO). A lot of her efforts were focused on cooperation in the field of C4ISR, in particular Alliance Ground Surveillance and the related radar development program.

Dr. Stephen Bryen is President of Finmeccanica, Inc. He served as Deputy Under Secretary of Defense from 1981-1988 and before that as a Professional Staff Member and Near East subcommittee director to the Senate Foreign Relations Committee. At the Defense Department he was responsible for trade and security policy. Dr. Bryen was the founder of the Defense Technology Security Administration (DTSA) and its first Director. Dr. Bryen also managed international negotiations involving technology security issues for the DoD. He was the Defense Department senior representative to COCOM and headed the U.S.-Italy Aerospace Working Group, the U.S.-Sweden Aerospace Working Group and led the DoD-delegation to the U.S.-Russia space research negotiations. Dr. Bryen was twice awarded the Distinguished Public Service Medal.

Guy Copeland is vice president of information infrastructure advisory programs within CSC's North American Public Sector. He is a special assistant to CSC's CEO, Michael Laphen, and represents Mr. Laphen, in the working bodies of the President's National Security Telecommunications Advisory Committee (NSTAC). Mr. Copeland currently is chairman of the NSTAC's Research and Development Task Force. His 22 year, U.S. Army Signal Corps career, included project management, field communications, data network engineering and flying CH-47 helicopters in Vietnam. Mr. Copeland served as the elected, first Chairperson of the Information Technology Sector Coordinating Council, from January 2006 to January 2008 and continues on the council's Executive Committee. Mr. Copeland has an MS degree in electrical engineering from the University of California at Berkeley and a BS degree in electrical engineering from the University of Wisconsin in Madison.

Ronald T. Covais is the Vice President of Corporate International Business Development for Lockheed Martin Corporation. In this role, Ron leads the organization that is the primary interface between the Corporation, the U.S. Government, and Washington-based foreign government representatives on all international matters. Ron is a retired U.S. Air Force officer who served in a number of positions including Political-Military Advisor to the Assistant Secretary of Defense for International Affairs and to the Secretary of Defense. His last active duty position was Director and Acting Deputy Assistant Secretary of Defense for Inter American Affairs. Ron received his undergraduate and graduate degrees in political science, international affairs and business from St. John's University in New York and Pepperdine University, respectively, and is also a graduate of the U.S. Air War College and U.S. Army War College.

Ambassador Andreas Ekman became the Director General of the Swedish Inspectorate of Strategic Products (ISP) on September 1st, 2005. ISP controls Swedish production and exports of military equipment and dual use products. From 2003-05, Ambassador Ekman worked at the Swedish Ministry for Foreign Affairs, where he served as the Government's co-ordinator supporting Swedish defence trade. Prior to that, he was the Consul General of Sweden in Los Angeles (1998-2003) and Minister for Economic Affairs at the Swedish Embassy in Washington DC (1993 – 98). Andreas Ekman was a Deputy Under Secretary at the Ministry for Foreign Affairs 1989-93. As such he was the head of a Bureau that handled economic relations with Central and Eastern European countries, North America, Japan, Australia and New Zealand. Ambassador Ekman has a MSc. from the Stockholm School of Economics.

Jeanne L. Farmer joined federal service in 1983. She moved to DSCA in 1991 and was promoted to the Senior Executive Service in 1999. Ms. Farmer became the Principal Director for DSCA's Programs Directorate in July 2005. This directorate has responsibility for security assistance financing, training, end-use monitoring, excess defense articles, and licensing. It also manages a number of defense-funded programs such as humanitarian affairs and demining, and the Regional Centers. Prior to her government service, Ms. Farmer was employed in private industry. She received a Master's Degree from the National War College in 1998.



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Ted J. Glum is the Director of the Defense Microelectronics Activity (DMEA). Reporting directly to the Director, Defense Research and Engineering (DDR&E), he is responsible for the management and technical performance of over \$1 Billion of Microelectronics Technology programs for the United States Department of Defense (DoD). Prior to this, he served as the Chief of the Science and Engineering Division within the US Air Force Materiel Command (1994-1996). During this period, Mr. Glum developed the Logistics Retrofit Engineering capability, and instituted the Air Force Program Offices for Very High Speed Integrated Circuits (VHSIC) and VHSIC Hardware Description Language (VHDL). He is a 1981 graduate of California State University where he received a Bachelor of Science degree in Electrical and Electronics engineering.

Jonas Hjelm is Group Senior Vice President, Government Relations, Saab AB. From 2003-06, Mr. Hjelm was State Secretary, Ministry of Defence, Sweden. From 2000-03, he was Political Advisor, Prime Minister's office. From 1997-2000, Mr. Hjelm was Political Advisor to the Minister for Defence, Dr. Bjorn von Sydow, Ministry of Defence, Sweden. He was a Member of the Board, The National Service Administration from 1996-97. In 2001, he attended the Leadership and management program at Stockholm School of Economics, SSE Executive Education. Mr. Hjelm participated in the National Intelligence Course, National Defence College in 2002., and the Senior Management Course in 2003.

Brigadier General (Armament) Olivier-Pierre Jacquotte is Defense Cooperation Attache, Embassy of France in Washington DC (July 2007). Previously, Brigadier General Jacquotte was Deputy Director, Research and Technology for the Defense and Security Department (within the Strategy Direction of DGA). Mr. Jacquotte devoted part of his career to research and research policy, either as a scientist or as a manager. After four years as Research and Teaching Assistant at the University of Texas at Austin, Mr. Jacquotte joined in 1985 the French National Aerospace Research Center (ONERA) as Head of the division in charge of Computational Mechanics methods. Mr. Jacquotte has an Engineering degree from Ecole Polytechnique, Paris, and a PhD in Engineering Mechanics from the University of Texas at Austin, USA.

Declan Kirrane is founder and Managing Director of ISC, Brussels. ISC specializes in science and R&D public affairs, policy analysis and information dissemination. In 1994 Declan established the CORDIS (Community Research and Development Information Service) on-line dissemination service at the beginning of FP4. Prior to that he was Editor of the CORDIS News Service. Declan has variously edited the Commission's CORDIS focus, Innovation and Technology Transfer Newsletter and European Dialogue. He has also lectured widely on EU science policy and implementing programs, and has developed R&D and innovation strategies for public and private sector organizations. ISC is currently contracted to the European Commission, US Department of Energy's Office of Science, EUREKA and the European Patent Office, amongst others.

Dr. Uwe M. Koch is Minister-Counselor and Head of the Defense Cooperation Branch at the Embassy of the Federal Republic of Germany in Washington, D.C. Before this, he was Assistant Branch Chief at the Federal Ministry of Defense (MoD) in Bonn, Germany. His responsibilities included international cooperation in air armaments. He also served as Senior Staff Officer to the German Delegates to the NATO Air Force Armaments Group (NAFAG) and to the Five-Power Air Senior National Representatives (Air SNRs). In 1999, Dr. Koch was assigned to the Office of the Product Manager, Combat Identification in Fort Monmouth, New Jersey, as a participant of the German-U.S. Exchange Program for Scientists and Engineers (ESEP). Dr. Koch is a chemist by training; he received his master's degree in 1989, and his Ph.D. in 1992.

Jeff B. Kohler is vice president of International Strategy for Boeing Integrated Defense Systems – a \$32.1 billion business with industry-leading, network-enabled capabilities in defense, space and intelligence. In this role, he is responsible for developing and coordinating strategies that grow the company's international business, meet the future needs of international customers and improve current IDS products and services around the world. During his 34-year Air Force career, Kohler also held several key command and staff positions, including director of Plans and Policy at U.S. European Command Headquarters in Germany and director of Operational Plans at U.S. Air Force Headquarters in Washington, D.C. Kohler earned a Bachelor of Science degree from the U.S. Air Force Academy and a Master of Arts degree in history from the University of Indiana at Bloomington.

Beth M. McCormick, a member of the Senior Executive Service, was appointed to the position of Acting Director, Defense Technology Security Administration on August 8, 2005, having previously served as the Deputy Director. Prior to her current position, Mrs. McCormick served as the Director of Policy, U.S. Air Force International Affairs from November 2001 to January 2005. From July 1994 to October 2001, she served in several executive positions with the National Aeronautics and Space Administration, including Director of International Relations and Deputy Associate Administrator for Life and Microgravity Sciences. Mrs. McCormick received her B.A. from Dickinson College, Carlisle, Pennsylvania in Political Science and Russian and Soviet Area Studies in 1981. She received her M.A. in Security Policy Studies from George Washington University in 1983.

Vago Muradian is the Editor of Defense News, the world's leading defense news weekly with correspondents in eleven countries. Before joining Defense News, Muradian was the Managing Editor of Defense Daily International and the business and international reporter for Defense Daily. Muradian joined Defense Daily from Air Force Times, the top U.S. publication covering the U.S. Air Force. He covered global operations, including Europe, Haiti, Somalia and Zaire. Before covering the Air Force, he served as Defense News' land warfare reporter. Muradian started his career at Inside the Army.



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Robert (Bob) T. Murphy is Senior Vice President, Finance and Chief Financial Officer, BAE Systems, responsible for financial accountability for the company's U.S.-based operating groups, which collectively employ some 52,000 employees in the U.S., U.K., Sweden and South Africa, and generate annual sales in excess of \$15 billion. Murphy returned to his current CFO position as a result of significant company growth, after serving for two years as President of BAE Systems Technology Solutions Sector. He originally joined BAE Systems in 1999 as Vice President – Finance and Chief Financial Officer following 18 years at General Electric. Murphy holds a bachelor's degree in Business Administration/Marketing from the State University of New York at Plattsburgh. He is a member of the BAE Systems Inc. Board of Directors.

Brigadier General Jennifer L. Napper, USA, is the Deputy Commander, Joint Task Force—Global Network Operations, providing direct support to United States Strategic Command (USSTRATCOM) for Global Information Grid (GIG) Network Defense. BG Napper has served in a variety of command, troop and staff officer positions. Her command assignments were Brigade Commander, 7th Signal Brigade, 5th Signal Command in Mannheim, Germany where she deployed her unit in support of Operation IRAQI FREEDOM and Battalion Commander, 123rd Signal Battalion, 3rd Infantry Division at Fort Stewart, Georgia. Other assignments include: Director for Communications Systems, J6, United States Pacific Command; G6, 3rd Infantry Division and Multi-National Division (North) in Bosnia-Herzegovina. BG Napper earned a Masters of Military Arts and Science from the Command and General Staff College in 1993 and a Masters in Strategic Studies from the Army War College in 2002.

Remy Nathan is the Assistant Vice President for International Affairs at the Aerospace Industries Association (AIA). The International Affairs division is responsible for monitoring, analyzing and recommending actions on issues as they affect international commercial and military aerospace markets. These topics include export financing, international negotiations, relevant government regulations and legislation, export controls, foreign military sales, NATO policies and programs, and international cooperative programs. Prior to joining AIA, Remy was responsible for supporting US companies active in Malaysia, as well as the Defense Working Group of the US-ASEAN Business Council. He holds a B.A. in Government and Foreign Affairs and China Studies from the University of Virginia and an M.A. in International Economics and Southeast Asian Studies from The Johns Hopkins University School of Advanced International Studies (SAIS).

David R. Oliver, Jr. is the Chief Operating Officer of EADS North America, with responsibility for the full scope of company operations. Dave's diverse career has included extensive experience in government, industry, and the military. Immediately prior to joining EADS North America, Oliver served in Iraq as the Director of Management and Budget for the Coalition Forces. Previously, he served as Principal Deputy Undersecretary of Defense for Acquisition, Technology and Logistics, a position he assumed after having worked as an executive at Northrop Grumman Corporation. Oliver completed a distinguished career in the U.S. Navy in 1995, retiring as a Rear Admiral (Upper Half). He served at sea aboard both diesel-electric and nuclear submarines, and commanded a nuclear submarine as well as two submarine groups, one in Japan and one in San Diego. His final military tour was as Principal Deputy to the Navy Acquisition Executive.

Torkel Patterson is President, Raytheon International Inc. and Vice President Business Development, Raytheon Company. He rejoined Raytheon in 2005 following four years as a political appointee in the administration of George W. Bush. Prior to that he served as regional executive for northeast Asia for Raytheon, based in Tokyo, and held a variety of Navy, business and public policy positions. Torkel Patterson is a graduate of the U.S. Naval Academy and serves on non-profit advisory boards, including Pacific Forum CSIS, the Atlantic Council of the United States, and the U.S.-China Educational Trust.

Andrew Radcliffe is Counsellor Defence Equipment, British Embassy, Washington DC. Since joining the Ministry of Defence in 1979, Andrew has undertaken roles in procurement, international relations, policy & science and technology. His career has taken him to the US Navy Sea Systems Command in Washington DC (US/UK Surface Ship Torpedo Defence Joint Project): London (Commercial Manager Anglo-Italian helicopter program, EH101, and the UK's Merlin Anti Submarine Warfare helicopter) and at the Defence Procurement Agency in Bristol (Eurofighter/Typhoon, International Relations Group & Commercial & Procurement Director): NATO (Munich) Eurofighter/Tornado management agency. He has a BA in Geography, is a Member of the Chartered Institute of Purchasing & Supply and has a Diploma in Purchasing and Supply.

Major General William M. Rajczak is Deputy Director for Joint Capabilities Development and Joint Doctrine Directorate, U.S. Joint Forces Command, Norfolk, VA. In this role, General Rajczak oversees a vast network of innovation, integration and joint/multinational interoperable architectures and data standards in direct support of combatant command joint task forces worldwide. Additionally, he leads efforts to develop future joint command and control capabilities in cooperation with U.S. Strategic Command, Office of the Secretary of Defense and the Joint Staff. General Rajczak was commissioned in 1971 as a graduate of the U.S. Air Force Academy, receiving a Bachelor of Science degree in engineering management. In 1982, the General received a Master of Science degree in systems management, University of Southern California, Los Angeles. The General was recalled to active duty in 1999, a second time in 2002, and was selected to serve in his current billet in October, 2006.



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Frank Ruggiero was appointed in October 2007 as Deputy Assistant Secretary (DAS) for Defense Trade and Regional Security in the Bureau of Political-Military Affairs. Mr. Ruggiero oversees all defense exports from the United States, including Direct Commercial Sales and Foreign Military Sales. Mr. Ruggiero played a leading role in the negotiation of Defense Trade Treaties with the UK and Australia and initiated a series of process reforms at the Directorate of Defense Trade Controls, to include a mandatory DAS-level review for OIF and OEF licenses and any pending license over 60 days. Mr. Ruggiero also has played a leading role in the Department on U.S. security strategy in the Persian Gulf and on political-military issues in the Middle East. Mr. Ruggiero has an M.A. in Middle Eastern Affairs from American University and has completed all requirements for a Ph.D. (but the dissertation) in U.S. Foreign Policy in Asia from UVA.

Robert Ryan is Vice-President, Canadian Commercial Corporation, Canada's Foreign Military Sales agency, a government entity specializing in the aerospace and defense sectors, and in particular, the US Department of Defense. Mr. Ryan is responsible for the management of the international defense business, totaling over \$1.5B annually. He is a member of the Corporation's Executive Committee reporting to the President and is an Officer of the Corporation. Mr. Ryan joined the Canadian Commercial Corporation in October 2000 after 21 years of service with the Canadian Forces. Mr. Ryan has a BA and a Queen's University MBA, and is the proud wearer of the Canadian Decoration, the Gulf and Kuwait Medal with maple leaf, the Canada 125 Medal, the Special Service Medal with bars, and the Canadian Peacekeeping Medal.

Guy Saint-Jacques was appointed Deputy Head of Mission at the Canadian Embassy in Washington, D.C. in February 2008. He also acts as Chargé d'Affaires in the absence of the Ambassador and coordinates the work of the Consulates General with that of the Embassy. After joining the Department of External Affairs in 1977, Mr. Saint-Jacques has had assignments abroad in New York (UNGA), Mexico, Kinshasa, Hong Kong, Beijing (twice), Washington (Energy Section) and London where he was the Deputy High Commissioner. In Ottawa, he has held various positions, the most recent as Director General of the Personnel Management Bureau. Mr. Saint-Jacques is a geology graduate of Montréal University and has a master's degree in land planning and regional development from Laval University. He is also a graduate of the Chinese University in Hong Kong (Mandarin).

Alan R. Shaffer is the Director, Plans & Programs, Office of the Director, Defense Research and Engineering, Department of Defense. In this position, Mr. Shaffer is responsible for budget and planning oversight of the entire Department of Defense Science and Technology Program. Mr. Shaffer earned a Bachelor of Science Degree in Mathematics from the University of Vermont in 1976, and was commissioned in the United States Air Force. He was then assigned to the University of Utah, where he earned a second Bachelor of Science Degree in Meteorology. He also earned a Master of Science in Meteorology from the Naval Postgraduate School (with distinction). In 1993, he was assigned to the Industrial College of the Armed Forces, Ft. McNair, D. C., where he was awarded a Master of Science in National Resource Management.

Dr. Jennifer Stewart is the Director General, Washington DC Region of the Department of Public Works and Government Services Canada (PWGSC) and Counsellor for Defence Procurement at the Canadian Embassy in Washington. Dr. Stewart's office also supports the PWGSC International Cooperation Initiative, which facilitates knowledge and best practice sharing between Canada and the U.S. in the area of common services. Dr. Stewart is the current Chairman of the Foreign Procurement Group, a network of 25 countries who participate in the US Security Assistance Program. Dr. Stewart joined the Public Service in 1980. During her career, she has held various executive positions including Director, Human Resources Programs, PWGSC; Senior Program Advisor, Central Region, Department of Supply and Services (DSS); and Director of Evaluation, DSS. Dr. Stewart has a Ph.D. in English and Philosophy from McGill University.

Alfred G. Volkman is the Director, International Cooperation for the Under Secretary of Defense (Acquisition, Technology and Logistics). He is responsible for establishing international Armaments cooperation policy, ensuring that policy is properly implemented and engaging with US allies and friends around the world to achieve closer cooperation. Mr. Volkman has a long history in international cooperation beginning in the late 1970's when he negotiated the initial agreements with the United Kingdom that resulted in the cooperative development of the AV-8B Harrier Aircraft. In the early 1980's he served on the NATO Air Command and Control Systems team in Brussels, Belgium. Mr. Volkman has served in a variety of international staff positions for both the Department of the Navy and the Office of the Secretary of Defense. Mr. Volkman has a Bachelor of Arts degree from Valparaiso University and a Master of Business Administration from George Washington University.



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Dr. Linton Wells II Dr. Linton Wells II serves as the Transformation Chair and a Distinguished Research Professor at the National Defense University (NDU). Before NDU he spent sixteen years in the US Office of the Secretary of Defense, including service as the Acting Assistant Secretary of Defense for Networks and Information Integration and DoD Chief Information Officer. Born in Luanda, Angola, Dr. Wells was a 1967 graduate of the United States Naval Academy, and a career naval officer. He received an M.S.E. from Johns Hopkins as well as a PhD in international relations and was graduated from the Japanese National Institute for Defense Studies in Tokyo. Recently he has been focusing on STAR-TIDES, a research project on affordable support to stressed populations (www.star-tides.net).

David Whiteree is Chairman of IDEEA, Inc., a Virginia company founded in 1985. He is Chief Executive and Founder of the ComDef series of exhibitions and symposia. IDEEA, Inc. is a full service international business development and marketing company established in Washington DC. Mr. Whiteree is founder/publisher of "Common Defense Forum".

Quentin Whiteree has been President and Chief Operating Officer of IDEEA, Inc. since 1 January, 1999. Prior to this, he was Vice President of the company, responsible for business focus, with an emphasis on emerging information and computer technologies. He joined IDEEA, Inc. in 1987 and has held a series of appointments within the company. He holds a joint BA honors degree in marketing from Strathclyde University, Scotland and is a past President of its Wine Appreciation Society. Mr. Whiteree is a member of the Defense and Air Transportation Security Committee of the British American Business Association, Committee Member of the Royal Aeronautical Society, Washington, DC Chapter and the National Press Club.

Brigadier General Mirco Zuliani was appointed to the position of Defense Attache, and Defense Cooperation Attache, Embassy of Italy, on 30 August, 2006. Promoted Brigadier General in January 2003, he was appointed Deputy Chief of Staff within the Air Force Command. In November 2003 he was promoted to Commander of the 2nd Division, Logistics Command (Aircraft, Weapons and Avionics – Technical and Logistical Support). General Zuliani was decorated with the Gold Long Service Air Navigation Medal, Gold Service Cross, Grand Officer of Merit of the Italian Republic, "Mauriziana" Medal, NATO Medals for service on operations in the former Yugoslavia and Kosova. He holds a degree in Science of Aeronautics from the University of Naples and a degree in International and Diplomatic Sciences from the University of Trieste.

**Presentations received will be placed
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Additional Biographies

Marshall Billingslea is the Deputy Under Secretary of the Navy, and is the senior advisor to the Secretary of the Navy on a wide range of policy and intelligence matters. Additionally, he is charged with ensuring Navy and USMC support for select special operations capabilities. Working with the Office of the Secretary of Defense, Mr. Billingslea also serves as the Navy's senior civilian interlocutor with the defense and intelligence services of friendly and allied nations. From January 2004 until January 2007, Mr. Billingslea served as NATO's Assistant Secretary General for Defense Investment. He was Chairman of NATO's Conference of National Armaments Directors (CNAD) and Chairman of the Board of Directors for NATO's Consultation, Command, and Control Organization. He also managed the NATO Security Investment Program. Marshall Billingslea received his Master of Arts in Law and Diplomacy from the Fletcher School of Law and Diplomacy in 1995, and graduated cum laude from Dartmouth College.

John M. Gilligan is President of the Gilligan Group, Inc., an IT consulting firm. Prior to his current position he was a senior vice president and director, Defense Sector, at SRA International, Inc. Mr. Gilligan has over 25 years of managerial experience in leading large information technology organizations. Mr. Gilligan has served as a chief information officer for the United States Air Force and the U.S. Department of Energy. He is a member of the Cyber Security Commission (formed to advise the 44th President) and the Army Science Board. He also serves on the board of directors for Center for Internet Security, Hunter Defense Technologies, Inc., and the Systems and Software Consortium. Mr. Gilligan has been a recipient of the Joint Chiefs of Staff Distinguished Civilian Service Medal, Distinguished Executive Presidential Rank Award, and Meritorious Executive Presidential Rank Award to name a few. He earned an M.B.A. in finance from Virginia Tech University.

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