

MUNITIONS EXECUTIVE SUMMIT 2010

February 8-10, 2010

THE CHALLENGE:

ALIGNING INDUSTRIAL CAPABILITIES WITH MUNITIONS REQUIREMENTS AND RESOURCES



- ▶ Conference Agenda
- ▶ Speaker Bios
- ▶ Attendee Roster

FEBRUARY 8-10, 2010

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LOEWS CORONADO BAY ▶ SAN DIEGO, CA

EVENT #0650

MONDAY, FEBRUARY 8, 2010

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3:00 PM - 5:00 PM REGISTRATION OPENS

5:00 PM - 6:00 PM OPENING RECEPTION

TUESDAY, FEBRUARY 9, 2010



CHEMRING GROUP PLC

7:00 AM REGISTRATION OPENS

7:00 AM - 8:00 AM CONTINENTAL BREAKFAST

8:00 AM - 8:15 AM WELCOME / ADMINISTRATIVE REMARKS
▶ Mr. Tim Bagniefski, Munitions Division Chair
▶ MG Paul Greenberg, USA (Ret), VP, Operations - Emeritus, NDIA

8:15 AM - 8:30 AM PEO-AMMUNITION, WELCOME AND OPENING REMARKS
▶ BG Jonathan A. Maddux, PEO-Ammunition

8:30 AM - 9:30 AM US GOVERNMENT KEYNOTE ADDRESS
▶ Mr. Jose Gonzalez, Deputy Director (Actg), Land Warfare and Munitions, Office of the Under Secretary of Defense, Acquisition, Technology and Logistics

9:30 AM - 10:15 AM INDUSTRY KEYNOTE ADDRESS – COMMERCIAL INDUSTRIAL CAPABILITIES
▶ Mr. Dick Hammett, President, Winchester Ammunition

10:15 AM - 10:30 AM BREAK

10:30 AM - 11:30 AM SPOTLIGHT - KEYNOTE ADDRESS
▶ Dr. Daniel Goure, Ph.D. Vice President, Lexington Institute

11:30 AM - 11:45 AM 2010 MES AWARDS

11:45 AM - 1:00 PM LUNCH

1:00 PM - 2:30 PM AMMUNITION ENTERPRISE CROSS SERVICE PANEL
Panel Chair~BG Jonathan A. Maddux, PEO-Ammunition
▶ Colonel Perry R. Oaks, Commander, 784th Combat Sustainment Group JOCG EXCOM



GENERAL DYNAMICS
Ordnance and Tactical Systems

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2:30 PM - 2:45 PM

- ▶ BG (P) Genaro Dellarocco, Deputy Commanding General, US Army Aviation and Missile Life Cycle Management Command (AMCOM) for Missiles and Space - Program Executive Officer, Missiles and Space
- ▶ BG Larry Wyche, Commander, Joint Munitions and Lethality Lifecycle Management Command
- ▶ BGen Michael Brogan, Commander, Marine Corps Systems Command
- ▶ CAPT Jeff Horton, USN, Deputy Executive Director of Conventional Ammunition

BREAK

2:45 PM - 3:45 PM

- US ARMY MUNITIONS REQUIREMENTS
- ▶ COL Rick Mason, USA, G-3, Munitions
 - ▶ Mr. Don Chrans, USA, G-8, Munitions
 - ▶ Ms. Sue Carlson, USA, G-4, Munitions
 - ▶ Mr. Jeff Brooks, ASA-ALT Ammo DASC

3:45 PM - 4:30 PM

TECHNOLOGY DEMANDS ON THE FUTURE INDUSTRIAL BASE

- Panel Chair~ Dr. Joseph Lannon, ARDEC Technical Director
- ▶ Dr. Robert Gates, Technical Director Indian Head Division Naval Surface Warfare Center
 - ▶ Mr. Paul Turner, Acting Deputy Director Weapons Development and Integration Directorate AMRDEC, RDECOM (Research, Development & Engineering Command)



4:30 PM - 5:00 PM

ICAP REPORT

- ▶ Mr. Mark DeYoung, President, ATK Armament Systems – ICAP Industry

5:00 PM

ADJOURN

5:00 PM - 6:30 PM

HOSTED GRAND RECEPTION

WINCHESTER
MILITARY PROGRAMS



WEDNESDAY, FEBRUARY 10, 2010

7:00 AM - 7:45 AM

CONTINENTAL BREAKFAST

7:45 AM - 8:00 AM

ADMINISTRATIVE REMARKS

- ▶ Mr. Tim Bagniefski, Munitions Division Chair

WEDNESDAY, FEBRUARY 10, 2010 CONTINUED

- 8:00 AM - 9:00 AM US MUNITIONS INDUSTRIAL COMPLEX –
READINESS AND RESOURCE ISSUES
Panel Chair~ Mr. Jyuji Hewitt, Deputy to the Commander, JMC
▶ Mr. Don Chrans, USA, G-8, Munitions
▶ Mr. Bill Sanville, Deputy Project Manager, Maneuver Ammunition Systems
▶ Colonel Charles Kibben, Commander Crane Army Ammunition Activity
▶ Mr. David Puig, Command Sergeant Major, JMC
▶ Mr. Paul Heidenreich, V.P. Esterline Defense
- 9:00 AM - 9:30 AM INDUSTRIAL BASE STRATEGIC PLAN (MODERNIZATION & PLANNING GOALS)
▶ Mr. Matthew Zimmerman, Deputy Project Director Joint Services
- 9:30 AM - 9:45 AM BREAK
- 9:45 AM - 10:45 AM PM ACQUISITION PANEL
Panel Chair~ Mr. Jim Shields, Deputy Program Executive Officer
▶ Mr. Chris Grassano, Project Manager Maneuver Ammunition Systems
▶ COL Scott Turner, Project Manager Combat Ammunition Systems
▶ COL Raymond Nulk, Project Manager Close Combat Systems
▶ Col Kim Brooks, USAF
▶ Mr. Matthew Zimmerman, PM JS
- 10:45 AM - 11:30 AM WARFIGHTER PERSPECTIVE
▶ Gunnery Sergeant James Hoffman, USMC
- 11:30 AM - 12:15 PM MUNITIONS BUDGET PANEL - Q&A
▶ Mr. Dick Ladd, CEO, Robison International
▶ Mr. Dave Armor, Cypress International
- 12:15 PM CLOSING REMARKS - CONFERENCE ADJOURNS

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Opening Reception Sponsor:

Esterline Defense Technologies designs, develops and manufactures state-of-the-art combustible ordnance products, infrared decoy flares and radar countermeasure chaff for air and shipboard applications and a variety of pyrotechnic devices. We have four locations across the US and two locations in the UK, employing approximately 1200 people in total.

Armtec Defense Products Co.

Armtec Defense Products is a World Class producer of combustible ordnance products. Our combat-proven

Armtec® products include mortar increment propellant containers (60mm, 81mm and 120mm), 120mm ammunition cases for the Abrams Main Battle Tank and 155mm modular artillery charges systems (MACS) for artillery. In addition to high volume production facilities we also maintain modern research and development and pilot plant facilities.

Armtec Countermeasures Co.

Armtec Countermeasures is a leading developer and producer of infrared (IR) decoy flares and radar countermeasure chaff. We are the sole producer of chaff and one of two principle producers of pyrotechnic flares for the US military. Our products span helicopter, transport and fast jet platforms in all standard NATO form factors. Our traditional point source Magnesium, Teflon, Viton (MTV) flares are redesigned to counter earlier generation IR MANPADS. Our advanced aerodynamic, kinematic, spectral and dual component flares offer protection against all GEN 1, 2 & 3 threats.

Wallop Defence Systems Ltd.

Wallop Defence Systems has more than 60 years of experience and expertise in defense pyrotechnics. The company has been engaged in research, development and production of a wider range of advanced pyrotechnic devices for use in land-based, maritime and airborne applications of armed forces across the world. Wallop is a principal UK design authority for conventional and advanced airborne IR decoy flares and also produces radar countermeasure chaff, a series of Target and Tracking flares for airborne use as well as signaling devices for use by naval forces. In addition, Wallop is the Design Authority and the manufacturer of several types of Anti Ship Missile Countermeasures as well as Torpedo decoys deployed from its Super Barricade launching system.



Grand Reception Sponsors:

ATK is a premier aerospace and defense company with \$4.6 billion in annual sales, over 17,000 employees, and operations in 21 states. We bring non-traditional approaches to the market, with speed and innovation. ATK is the world leader in the design, development, and production of solid rocket propulsion systems for space, strategic-missile defense, and tactical applications. Our tactical rocket motor portfolio includes propulsion systems for air-to-air, air-to-surface, surface-to-air, and surface-to-surface missiles.



General Dynamics-Ordnance and Tactical Systems empowers the U.S. military and its allies with an extensive range of overarching product segments applied across all levels of strategic and tactical operations.

GENERAL DYNAMICS
Ordnance and Tactical Systems

A business unit within the Combat Systems Group of General Dynamics, we are a world leader in the manufacture of large, medium- and small-caliber direct and indirect-fire munitions, mortar weapons and systems, artillery projectiles, bomb bodies, Ball Powder® Propellant, solid propellants, non-lethal products and Force Protection products. The company also manufactures precision metal components; provides explosive load, assemble and pack services for a variety of munitions, tactical missile and rocket programs; and designs and produces shaped charge warheads and control actuator systems.

Our expansive array of capabilities and services include innovative engineering and design, advanced modeling, simulations, system integration and management; precision machining and forging; as well as testing and evaluation.

Combining proven ammunition development and production capabilities with advanced research and development strengths in key technological areas, we continue to meet the needs of the armed forces of the United States, its friends and allies with the highest quality, "best value" combat solutions.

Sit Down Lunch Sponsor:

Winchester Ammunition—The American Legend

Established in 1866, Olin Corporation/Winchester Ammunition has proudly supported the United States Armed Forces and armed forces of its allies.

In 1914, the company signed its first military contract with the French government. Contracts from the U.S. and twenty-five other allied countries followed during World War I. In the 1920s and 1930s, research programs were added and facilities expanded. Production from all of Winchester's facilities supported the World War I effort with more than 15 billion rounds of ammunition. Today, as the largest commercial manufacturer of Small Caliber Ammunition for the US Government, Winchester continues to support the needs of the U.S. Government's Armed Forces and the needs of our Allies throughout the world.

Throughout its history, Winchester has made a continuing commitment to establish and maintain extensive facilities and equipment for development, testing, and production of small caliber ammunition.

Winchester is honored to currently supply 9mm M882, 5.56mm M855, 7.62mm M80, .50 Caliber SLAP/SLAP-T (Sabot Light Armor Penetrating) M903/M962, .50 Caliber M33 and a variety of frangible and short-range training cartridges to the U.S. Military.

Winchester is also an industry leader in Law Enforcement ammunition—recently being awarded the single largest ammunition contract in the history of federal law enforcement by one of the nation's premier law enforcement agencies.

Winchester Ammunition is a leader throughout the world in the development and production of advanced, high performance small caliber ammunition. For over 140 years Winchester has provided the highest quality ammunition for hunters and shooters of all experience levels. Generations of Americans prefer, respect, and recognize Winchester as a leader because time and again, their experiences with the brand have resulted in unparalleled consistency and reliability that instills confidence, ensures success, and renews their brand loyalty.



Continental Breakfast Sponsors:



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Break Sponsors:



Speaker Biographies

Dave Armor

Colonel David T. Armour retired from the United States Army in October 2000 having completed over 21 years of service. He is currently Director of Homeland Security Programs for Cypress International in Alexandria, Virginia.

Colonel Armour was born in Milwaukee, Wisconsin and raised in Hackettstown, New Jersey. He received his commission in 1979 as a Second Lieutenant of Field Artillery following graduation as a Distinguished Military Graduate from Syracuse University where he earned a Bachelor's Degree in Biology. In 1990 he received a Masters Degree in Business Administration from Western New England College. His military education includes the Field Artillery Officer Basic and Advanced Courses, Ordnance Officer Basic Course, Electronic Warfare Staff Officer Course, Material Acquisition Management Course, Combined Arms & Services Staff School, Command and General Staff College, and Defense Systems Management College. He is a Level III certified Defense Acquisition Professional. Colonel Armour's last active duty assignment was as PM Crusader Munitions at Picatinny Arsenal, New Jersey. Under his leadership, his multi-disciplinary team completed development and testing of the M231 Modular Artillery Charge System increment and M782 Multi Option Fuze Artillery, type classified both items, and managed initial procurements. He also initiated the XM1115 Portable Inductive Artillery Fuze Setter program and completed most development and testing leading up to a milestone III decision for the XM232 Modular Artillery Charge System increment.

In addition, Colonel Armour's career includes service as Chief of the Armored Systems Team, Close Combat Division, Office of the Assistant Secretary of the Army for Research, Development & Acquisition; Congressional Staff Officer, Office of the Chief of Staff, Army; Deputy Army Shelter Manager; TRADOC Liaison Officer; and a variety of operational assignments with divisional artillery units in the US and Europe.

Among Colonel Armour's military decorations are the Legion of Merit, Meritorious Service Medal (four awards), Army Commendation Medal (two awards), and Army Staff Identification Badge.

BGen Michael Brogan

Brigadier General Brogan is a native of Orrville, OH. In May 1980, he graduated from the University of Notre Dame with a Bachelor of Science degree in Chemical Engineering and was commissioned a Second Lieutenant. Following graduation from the Basic School, he completed Assault Amphibian Officers Course as the Honor Graduate and was assigned as an Assault Amphibious Platoon Commander, Company D, 3d Assault Amphibian Battalion (3d AABn), 3d Marines, 1st Marine Brigade, Marine Corps Air Station, Kaneohe Bay, HI.

After returning from deployment to the Western Pacific in support of Battalion Landing Team 1/3, he was reassigned in August 1982 as the Maintenance Management Officer and Assistant Logistics Officer, 1st Battalion, 3d Marines and completed a second Western Pacific deployment.

In January 1984, Brigadier General Brogan reported to Marine Barracks, Naval Weapons Station, Yorktown, VA where he served consecutively as a Guard Platoon Commander, Operations Officer, Guard Officer, and Executive Officer. He transferred to Quantico, VA in July 1987 and attended the Advanced Communications Officer Course. Following graduation as an Honor Graduate in June 1988, he reported to 3d AABn, 1st Marine Division and became the Assistant Logistics Officer. In March 1989, he assumed command of Company A, 3d AABn. During Desert Shield and Desert Storm, the company supported 1st Battalion, 5th Marines and was a part of Task Force Ripper.

In June 1991, Brigadier General Brogan assumed duties as the Logistics Officer at the Amphibious Vehicle Test Branch (AVTB), Camp Pendleton, CA. While at AVTB, he completed work on a Master of Arts Degree in Business and graduated with Distinction from Webster University. He also attended the Program Management Course at the Defense Systems Management College, Fort Belvoir, VA. He returned to Quantico, VA in July 1994 as a student. A Distinguished Graduate of the Marine Corps Command and Staff College, he reported to the Office of the Direct Reporting Program Manager, Advanced Amphibious Assault (DRPMAAA) in June 1995, to serve as the Survivability Project Officer. In June 1998, he became the Program Manager for the Advanced Amphibious Assault Vehicle Survivability Program. Brigadier General Brogan reported to 1st Marine Division, Camp Pendleton, CA in June 1999 and assumed command of 3d AABn. In July 2001, he transferred to the National Defense University, Fort McNair, Washington, D.C. as a student in the Industrial College of the Armed Forces (ICAF). He graduated from ICAF in June 2002 with a Master of Science Degree in National Resource Strategy. He reported to the Marine Corps Systems Command, Quantico, VA and was assigned as the Product Group Director, Infantry Weapons Systems. In February 2004, he reported to the Office of DRPMAAA for duty as the Expeditionary Fighting Vehicle Program Manager. Brigadier General Brogan's personal decorations include: the Meritorious Service Medal with Gold Star, the Navy Commendation Medal with Gold Star, the Navy Achievement Medal and the Combat Action Ribbon. He is married to the former Laurie E. Smith of North Olmsted, OH. They have three children: Kevin, Kaitlin, and Ryan.

COLONEL Kim Brooks, USAF

Colonel Kim R. Brooks is the Project Director, Joint Products and Assistant Deputy Executive Director for Conventional Ammunition. As Project Director Joint Products, Colonel Brooks is responsible to the Program Executive Officer Ammunition for the acquisition planning and management of the Air Force and Navy General Purpose Bomb (500lb, 1000lb, 2000lb), Penetrator Bomb (2,000lb) and Bomb Fuzing (e.g., FMU-143) and Components including all training bombs; and the Navy's Gun (5"/54), 76mm, and 57mm tactical and training ammunition programs and is accountable for the execution of Air Force and Navy resources exceeding \$1.6B. Colonel Brooks is also the Air Force representative on a jointly staffed officer responsible to the Executive Director for Conventional Ammunition, participating as a Military Service advocate in joint service and OSD activities related to SMC policy and business practices for both peacetime and wartime including support of the Joint Ordnance Commanders Group and other related functions. Colonel Brooks earned her commission through Air Force ROTC in 1987 as an Aerospace Engineering graduate from the University of Virginia. She is a career aircraft and munitions maintainer and has served in a variety of maintenance and logistics positions at the squadron, group, Service headquarters and combatant command staff levels.

Mr. Jeffrey Brooks

He has a B.S. from the U.S. Military Academy and an M.S. in aerospace engineering from the U.S. Air Force Institute of Technology. Brooks is Level III certified in program management and test and evaluation and is an Army Acquisition Corps member. His military education includes the Field Artillery Officer Basic and Advanced Courses, Armor Officer Advanced Course, U.S. Army Command and General Staff College and Defense Systems Management College.

Maj. Gen. Andrew Busch

Maj. Gen. Andrew E. Busch is Commander, Ogden Air Logistics Center, Hill Air Force Base, Utah. The center provides worldwide logistics management, engineering, supply, contracting and depot maintenance for a wide variety of aircraft and munitions related platforms. He is responsible for four wings: the 75th Air Base Wing, 84th Combat Sustainment Wing, 309th Maintenance Wing and the 508th Aerospace Sustainment Wing. General Busch earned his commission in 1979 as a graduate of the U.S. Air Force Academy, Colorado Springs, Colo. He is a logistician with a core background in fighter aircraft maintenance. As an aircraft maintenance officer, he served in a variety of sortie production roles and commanded three maintenance squadrons. He also has experience in supply, transportation and acquisition issues at the wholesale logistics level. Prior to his current position, he was Commander, Defense Supply Center Richmond, Richmond, Va., a field activity of the Defense Logistics Agency. General Busch is Level III certified in lifecycle logistics and Level III certified in program management. He is a designated Joint Qualified Officer.

Ms. Sue Carlson

Ms. Carlson was born in Augsburg, Germany, on 10 September 1957. She was commissioned as a second lieutenant in the Ordnance Corps upon graduation on 22 May 1981 from Southwest Missouri State University, Springfield, Missouri. She holds a Bachelor of Science in Accounting (1979) and a Masters in Business Administration (1981) from Southwest Missouri State University. Her military education includes the Ordnance Officer Basic and Advanced Courses, Combined Arms Services Staff School (CAS3), and the Command and General Staff College. Following commissioning, Ms. Carlson spent 24+ years on active duty, working in munitions specific and logistics oriented assignments, culminating with an assignment as the Acting Division Chief, Munitions Division, Office of the Deputy Chief of Staff, G-4, Headquarters, Department of the Army, Pentagon in September 2000.

Upon retirement, Ms. Carlson applied for and was hired as the Chief, Munitions Division for the Office of the Deputy Chief of Staff, G-4, Headquarters, Department of the Army. She has held that position since July 11, 2005. Her civilian education includes Supply Chain Management and the Advanced Civilian Leadership Course.

Her awards include the Bronze Star; Meritorious Service Medal with 2nd Oak Leaf Cluster; Joint Service Commendation Medal; U.S. Army Commendation Medal with 2nd Oak Leaf Cluster; National Defense Service Medal, 2nd Award; Southwest Asia Service Medal, 1 Bronze Service Star; Global War on Terrorism Service Medal; Korean Defense Service Medal; Army Service Ribbon; Overseas Service Ribbon with Numeral 2 Device; NATO Medal; Saudi Arabia Kuwait Liberation Medal; Kuwait Kuwait Liberation Medal; Meritorious Unit Citation; Parachute Badge; and Army Staff Identification Badge. Ms. Carlson resides in Hyattsville, Maryland.

Mr. Don Chrans

Mr. Don Chrans is Chief, Munitions Division, G-8—Force Development. His assignments include Senior Program Analyst, Munitions Division, Deputy Chief of Staff for Programs, G-8, Headquarters Department of the Army, Military Assistant to the Assistant Secretary of the Army, Installations and Environment, Headquarters Department of the Army, Senior Logistics Planner, 19th Theater Support Command, Ordnance Organizational Integrator, Deputy Chief of Staff for Operations G-3, Commander, Slovonki Brod Base Camp, Croatia, Commander, Maintenance Troop, 3rd Armored Cavalry Regiment, Secretary of the General Staff and Maintenance Officer, Army Materiel Command—Europe, Commander, Headquarters and Light Maintenance Company and MATO, 725th Main Support Battalion, 25th Infantry Division, Aide-de-Camp, Commanding General, USA Army Ordnance Center and School. His awards and decorations Legion of Merit, Meritorious Service Medal (50LC), Army Commendation Medal (30LC), Army Achievement Medal, Armed Forces Expeditionary Medal, NATO Medal, Overseas Service Ribbon (4)

BG (P) Genaro Dellarocco

Brigadier General (P) Genaro J. Dellarocco is the Program Executive Officer, Missiles and Space, Redstone Arsenal, Alabama. He assumed the position in June, 2007.

Prior to this assignment, he served as the Deputy Commanding General for System of Systems Integration, US Army Research, Development and Engineering Command, Fort Belvoir, Virginia. His responsibilities included quickly placing the right technology into the hands of warfighters and integrating research, development, and engineering across the entire spectrum of the Army's technology base including; Army Laboratories and Research, Development, and Engineering Centers, Department of Defense Laboratories, universities, industry, sister services, ally and foreign services, and other science and technology sources.

Prior to this assignment he served as the Chief, Capabilities and Acquisition Division, J8, the Joint Staff from 2005-2006 and as the Director, US Army Acquisition Support Center. He served from 2001-2003 as the Project Manager for Force Projection at Program Executive Office, Combat Support and Combat Service Support in Warren, Michigan. He graduated the US Army War College (USAWC) at Carlisle, Pennsylvania (Class of 2001) and it's Advanced Strategic Arts Program.

Prior to his attendance at the USAWC, Brigadier General (P) Dellarocco was assigned from 1997-2000 as the Product Manager, Petroleum and Water Systems, US Army Tank-Automotive and Armaments Command in Warren, Michigan.

In 1995, Brigadier General (P) Dellarocco worked in the Office of the Assistant Secretary of the Army for Research, Development, and Acquisition (SARDA). At SARDA, Brigadier General (P) Dellarocco handled Congressional activities and served as the Air and Missile Defense Branch Chief for the Missile Systems Directorate. Prior to the SARDA assignment, he served a joint tour (1992-1995) with the Ballistic Missile Defense Organization (BMDO). Based on this assignment, he was formally designated as Joint Specialty Officer in 1998. As a precursor to the BMDO assignment, he spent a year in training with Industry Program at the McDonnell Douglas Astronautics (Space Systems) Company in 1988. Also, he was inducted into the Army Acquisition Corps in 1990.

During the 1980's, Brigadier General (P) Dellarocco served in several logistics assignments. He started in Germany as Battalion S4, 703d Maintenance Battalion, 3rd Infantry Division in Kitzingen. Later he transferred to the 493d Supply and Service Company, 2nd Support Command in Wurzburg to lead a Petroleum Platoon. He later went on to command the 493d. Upon his return from Germany, Brigadier General (P) Dellarocco became a Senior Instructor at the US Army Quartermaster School and was a member of the Light Infantry Division New Organization Training Team. In the late 1980's, he served at Anniston Army Depot as the Executive Officer to the Director for Total Quality Management and as Deputy Director of Supply.

Upon graduating from Lake Superior State College in 1978, he earned a Bachelor of Science Degree in Business Administration (Marketing concentration) and received a Regular Army commission in the Quartermaster Corps. He earned a Masters of Science in Material Acquisition Management from the Florida Institute of Technology (1991), a Masters of Military Art and Science while attending the Command and General Staff College (1992), and a Masters of Strategic Studies from the US Army War College (2001).

BG (P) Dellarocco is married to the former Corby Davis and they have a daughter, Lauren.

Mr. Mark DeYoung

Mark W. DeYoung is Senior Vice President and President, ATK Armament Systems for Alliant Techsystems (ATK), a premier aerospace and defense company with more than 18,000 employees and revenue in excess of \$4.7 billion.

Mark began his career as a financial analyst at Hercules Aerospace Company in Salt Lake City, Utah, in 1985. Moving from finance to operations in 1994, he accepted the position of Superintendent of Operations Support.

Mark was named Financial Manager at ATK's propellant manufacturing facility at the Radford Army Ammunition Plant in Radford, Virginia, Missile Systems in Rocket Center, West Virginia, in 1997 as Director of Business Operations. The following year, he was named Director of Facilities, and Human Resources.

In 1999, Mark was named President of the newly formed ATK Lake City Ammunition in Independence, Missouri. Two years later, in addition to continuing to lead ATK Lake City Ammunition, he was selected to lead several commercial ammunition companies ATK acquired from Blount International.

In his current position, Mark leads ATK Armament Systems, one of three ATK business groups. The group's operations are conducted by five divisions: Commercial Products, Energetic Systems, Integrated Weapon Systems, Small Caliber Systems, and Tactical Systems. He also serves on the Board of Directors for several key trade organizations in both the commercial and military sectors.

Mark is a native of Utah. He earned his bachelor's degree in business at Weber State University in Ogden, Utah, and his MBA at Westminster University in Utah, where he also instructed evening courses and was named Adjunct Professor of the Year in 1995.

Dr. Robert Gates

DR. ROBERT V. GATES is the Technical Director, Indian Head Division, Naval Surface Warfare Center (IH DIV, NSWC). As the laboratory's senior civilian, he provides perspective and continuity of leadership to the Command, steward technical excellence and enables competency alignment between the division and headquarters elements. Gates directs a workforce of over 1,300 employees, and annual operations of approximately \$680 million. In concert with the Commander, he directs operations at Indian Head, MD as well as at additional locations in Virginia, Oklahoma, and New Jersey. IH DIV is charged with leading the Department of Navy in providing technical capability in Energetics for all Warfare Centers through engineering, Fleet and operational support, manufacturing technology, limited production, industrial base support, research, development, test and evaluation for energetic materials, ordnance devices and components, and related ordnance engineering standards to include chemicals, propellants and their propulsion systems, explosives, pyrotechnics, warheads, and simulators. IH DIV successfully performs its science and technology mission for many DOD, other government, and foreign military customers through collaborative partnerships with private industry and academia. Dr. Gates has a B.S. in Physics from Virginia Military Institute, an M. Eng. in Engineering Science from Pennsylvania State University, and an M.A. in Political Science and a Ph.D. in Public Administration from Virginia Polytechnic Institute and State University. He also graduated with distinction from the Naval War College. His dissertation research was in the strategic management of Navy laboratories. In addition, Dr. Gates serves as the Navy Principal Member for the Joint Technical Coordinating Group for Munitions Effectiveness (JTCEG/ME). He has been designated as the NAVSEA member on the Technical Advisory Committees for the Joint Munitions Panel, the Joint Insensitive Munitions Panel, and the Joint Fuze Technical Panel.

Prior to his current position, Dr. Gates was the Head of the Strategic and Weapons Control Systems Department at NSWC Dahlgren Division (NSWCDD) and Director of the Navy Strategic Weapons System Product Area for the Naval Sea Systems Command from January 2005 through May 2007. His previous assignments at NSWCDD include Acting Technical Operations Manager, Head of the Strike Systems Planning Division of the Strategic and Strike Systems Department, Deputy Department Head of the Strategic and Strike Systems Department, Director of Strategic Planning for NSWCDD, and Head of the Corporate Planning and Analysis Staff. Dr. Gates began his career as a Principal Physicist in the Strategic and Space Systems Department of NSWCDD where he developed concepts for future Navy strategic systems, performed targeting analysis for the CNO staff, and led the NSWCDD Strategic and Strike Warfare Focus Team. Prior to that, he provided technical support in the areas of stellar inertial guidance, accuracy modeling, and flight test support for the development of fire control and targeting systems for TRIDENT I, TRIDENT II, and the United Kingdom POLARIS SLBM programs. He has also held a variety of management positions within the SLBM Research and Analysis Division at NSWCDD. Dr. Gates was appointed to the Senior Executive Service in March 2005. He is a member of the National Honor Society of Phi Kappa Phi and the Public Administration Honor Society Pi Alpha Alpha. Among his awards are the Navy Meritorious Civilian Service Award and the John Adolphus Dahlgren Award. He is Chair of the Rappahannock Community College Board and is a member of the Board of Trustees of the L.E. Smoot Memorial Library in King George, Virginia.

Mr. Jose Gonzalez

Mr. Jose Gonzalez is currently serving as Acting Deputy Director, Land Warfare and Munitions within the Office of the Under Secretary of Defense (Acquisition, Technology and Logistics), where he provides policy and oversight of the DoD's land warfare and munitions portfolio. Mr. Gonzalez became permanently employed with the Office of the Secretary of Defense (OSD) in 2001. He has taken on a wide variety of assignments while in OSD, including special assignments in the areas of C4I, munitions, and Homeland Defense. Mr. Gonzalez serves as the U.S. Key Delegate to the NATO Conference of National Armaments Directors, Ammunition Safety Group (AC 326).

Mr. Gonzalez has worked for the Department of Defense since 1985. He started his career in the Defense industry at Vitro Corporation, Silver Spring, MD, as a Software Engineer for the U.S. Navy's START ARMk14 Weapon Direction System. In 1989, he entered Federal government service at the U.S. Navy's Research & Development laboratory, Naval Surface Warfare Center, Dahlgren, VA. While at the laboratory, he served as Technical Direction Agent and system engineer for the U.S. Navy's Mk41 Vertical Launching System, facility manager for the Navy's Program Assurance Facility, Head of the Advanced Launching Systems Group, and Head of the Advanced Control Systems Engineering Branch. During this time he took on two developmental assignments, first as the Combat Systems Department Head for the U.S. Navy's Smart Ship Project, and second as a Staff Specialist in OSD, supporting the office of Naval Warfare.

Mr. Gonzalez received a Bachelor of Science degree in Electrical Engineering from the University of Maryland in 1985. He earned a Masters Degree in Public Administration from Virginia Tech in 2005. He is a graduate of the Leadership for a Democratic Society program from the Federal Executive Institute.

Dr. Daniel Goure

Dr. Goure is a Vice President with the Lexington Institute, a nonprofit public-policy research organization headquartered in Arlington, Virginia. He is involved in a wide range of issues as part of the institute's national security program.

Dr. Goure has held senior positions in both the private sector and the U.S. Government. Most recently, he was a member of the 2001 Department of Defense Transition Team. Dr. Goure spent two years in the U.S. Government as the director of the Office of Strategic Competitiveness in the Office of the Secretary of Defense. He also served as a senior analyst on national security and defense issues with the Center for Naval Analyses, Science Applications International Corporation, SRST Technologies, R&D Associates and System Planning Corporation.

Prior to joining the Lexington Institute, Dr. Goure was the Deputy Director, International Security Program at the Center for Strategic and International Studies. At CSIS, Dr. Goure was responsible for analyses of: U.S. national security policy, the future of conflict and warfare, the information revolution, counter-proliferation, and defense industrial management. He directed analyses of emerging security issues with a special emphasis on U.S. military capabilities in the next century. Dr. Goure also has done extensive consulting and teaching. From 1990 to 1991 he led a study for the U.S. Institute of Peace on deterrence after the INF Treaty. Dr. Goure has consulted for the Departments of State, Defense and Energy. He has taught or lectured at the Johns Hopkins University, the Foreign Service Institute, the National War College, the Naval War College, the Air War College, and the Inter-American Defense College. Since 2001, Dr. Goure has been an adjunct professor in graduate programs at the Center for Peace and Security Studies at Georgetown University, and an adjunct professor at National Defense University since 2002—teaching a Homeland Security course at both.

Dr. Goure is a well-known and respected presence in the national and international media, having been interviewed by all the major networks, CNN, Fox, the BBC, The New York Times, The Washington Post, The Wall Street Journal, The Christian Science Monitor, the Chicago Tribune and the Los Angeles Times. He has been published extensively in over two dozen journals and periodicals. He is also an NBC national security military analyst.

Dr. Goure holds Masters and Ph.D. degrees in international relations and Russian Studies from Johns Hopkins University and a B.A. in Government and History from Pomona College.

Mr. Chris Grassano

Mr. Chris J. Grassano took command of the Project Management Office for Maneuver Ammunition Systems (PMMAS) at Picatinny Arsenal, NJ in September 2007. He received a Bachelor of Science degree in Electrical Engineering from New Jersey Institute of Technology; a Master's in Business Administration (MBA) from Florida Institute of Technology; a Master of Science in Management from Florida Institute of Technology; and a Masters degree in National Resource Strategy from the Industrial College of the Armed Forces, National Defense University. He has completed the Harvard University Leadership for Senior Executives program and is a graduate of the advanced Program Management Course, Defense Systems Management College. Mr. Grassano is a level III certified acquisition professional in three career fields: Program Management; Test and Evaluation; and Systems Planning, Research, Development and Engineering.

Career assignments include: Lead Project Engineer for smart munitions systems; Project Management Engineer for SADARM, PM Field Officer representative at a prime contractor facility; Staff Assistant to the Deputy Director, Land Warfare, Office of the Secretary of Defense; Department of the Army Systems Coordinator, Office of the Secretary of the Army; and Deputy Product Manager for the joint international Excalibur program.

Mr. Dick Hammett

Richard Hammett, President of the Winchester Division of Olin Corporation, has been with Olin for 40 years and a friend to the ammunition, hunting and shooting sports world for even longer.

Dick was named President of Winchester in September 2002, following multiple assignments within Olin and Winchester. He has held various financial management positions within the Winchester Division as well as Olin's Paper and Film and Chemical Divisions. He was named Financial Officer for the Winchester Division in 1990 and held the position of Vice President Finance and Business Planning before being named Vice President Marketing & Sales in 1998. Following being named President of the division in 2002, Dick was named a Vice President of the corporation in 2006.

Mr. Hammett joined Olin Corporation in 1969 as a Cost and Budget Accountant in Olin's defense business following his graduation from Southern Illinois University in Carbondale with a Bachelor of Science degree in Accounting.

Winchester is the leading manufacturer of sporting, law enforcement and military ammunition and is a major supplier of small caliber ammunition to all branches of the U.S. military. Winchester also serves other regions of the world through its plant in Australia. All of its manufacturing sites are ISO certified. Winchester annually wins awards in customer service, innovation and product development and conservation categories.

As President of Winchester, Dick has been active in numerous organizations related to the ammunition and shooting sports industry. He currently serves on the board and as treasurer for the National Shooting Sports Foundation (NSSF). He is also a board member for the Small Arms and Ammunition Manufacturing Institute (SAAMI) and serves as an advisory board member for National Kids and Clays, an organization that raises money for Ronald McDonald Houses nationally. In November of 2009, Dick received the prestigious Firepower Management Award from the Picatinny Chapter of the National Defense Industrial Association. The award is presented annually to a select group of individuals from industry and government who have made significant contributions toward the defense of our country. Dick has led Winchester through one of the most prolific times of ammunition needs from the American Warfighter, supporting requirements for both training and combat end use.

Dick and his wife Jodi live in Alton, IL.

Mr. Paul Heidenreich

Mr. Heidenreich is the Vice President and General Manager of Esterline Defense Technologies Combustible Ordnance Business. He is responsible for all business operations including manufacturing, business development, quality assurance, safety, etc. for the Combustible Ordnance Business Unit. This division produces combustible cartridge cases or propellant containers for virtually every 120mm Tank, 60/81/120mm Mortar and 155mm Artillery round used by the U.S. military. Esterline Defense Group is the original producer of modern combustible ordnance and today is the world's foremost developer and producer of combustible ordnance and expendable decoy products for the U.S. Military with locations in the United States and Great Britain.

In his thirty plus years of defense business she has played a part in the business operations of: small and medium caliber ordnance programs including .50 cal, 20mm, 25mm, and 30mm ammunition for helicopters, aircraft, fighting vehicles and Navy vessels; 60mm, 81mm, and 120mm mortar propulsion systems; large caliber munitions including 120mm tank ammunition for the Abrams Main Battle Tank, 155mm propelling charges for artillery weapons systems; decoy countermeasures (flares and chaff) for virtually every aircraft in the U.S. inventory. As General Manager of Esterline Defense Technologies Combustible Ordnance Business, he has been part of the team that has produced over 30,000,000 ordnance components with an unblemished customer delivery schedule for the past ten years. Mr. Heidenreich holds a BS Business Administration (Finance) from the University of Missouri and is a graduate of the Defense Systems Management College. Prior to joining Armtec in 1997, he directed the Business Operations of Olin Ordnance at their St. Petersburg, Florida and Downey, California Operations. Prior to Olin, he was a Contract Manager with McDonnell Douglas in St. Louis, Missouri.

Mr. Heidenreich is a Board Member of the AUSA Los Angeles Chapter. He is also a member of the NDIAMunitions Executive Summit Board and a recent member of the Industrial Consortium of Ammunition Producers (ICAP); the Association of the United States Army (AUSA); the Field Artillery Association; the Association of Old Crows and is a Life Member of the Navy League of the United States.

Mr. Jyuji Hewitt

Mr. Jyuji D. Hewitt serves as the Deputy to the Commander for the Joint Munitions Command (JMC). In that Senior Executive Service position, he is the senior civilian in the organization that is responsible for the production, storage, issue and demilitarization of conventional ammunition for all U.S. military services. JMC headquarters is located on Rock Island Arsenal, Rock Island, Ill., and the command operates a nationwide network of ammunition plants and storage facilities. It also maintains a global presence wherever U.S. combat units are stationed or deployed.

In this position Mr. Hewitt focuses on the operational side of JMC, including the Munitions and Logistics Readiness Center and the Security Assistance Director, both on Rock Island Arsenal; the Defense Ammunition Center at McAlester, Oklahoma; and JMC's 16 ammunition production plants and storage depots across the

Mr. Hewitt previously was the JMC chief of staff as an active Army colonel. He was promoted to SES on January 11, 2007. Prior to coming to JMC Headquarters in September 2005, he served at the headquarters of the U.S. Army Materiel Command as the Deputy Chief of Staff. His other past assignments include serving as commander of two JMC installations: McAlester Army Ammunition Plant in McAlester, Oklahoma, and Iowa Army Ammunition Plant in Middletown, Iowa.

He served overseas in Germany, Korea and Japan, in positions that include nuclear policy officer, deputy command ammunition officer, and Army Materiel Command liaison officer. His stateside assignments include serving as a program manager of the Defense Special Weapons Agency, company commander and an operations officer for the 70th Ordnance Battalion at Fort Bliss, Texas, and as chief of the Weapons and Munitions Section for the 11th Military Intelligence Battalion at Aberdeen Proving Ground, Maryland.

Mr. Hewitt's military training and education include the Ordnance Officer Basic and Advanced Courses at the U.S. Army Ordnance Missile and Munitions Center and School at Redstone Arsenal, Alabama. He later served at the school as an instructor and team leader. He is also a graduate of the Combined Arms Services Staff School, the U.S. Army Command and General Staff College, the Army Management Staff College, the Joint and Combined Warfighting School, and the Army War College, where he earned a Master of Science in Strategic Studies. He also holds a Master of Science in Physics (Nuclear) from the University of New Hampshire, a Master of Science in Systems Management from the Florida Institute of Technology, and a Bachelor of Science in Chemistry from the University of Maine-Orono, where he earned his commission as an officer through the ROTC program following his graduation in 1978.

His military awards and decorations include the Legion of Merit with 2 Oak Leaf Clusters; the Defense Meritorious Service Medal; the Army Meritorious Service Medal with three Oak Leaf Clusters; the Joint Service Commendation Medal; the Army Commendation Medal with Oak Leaf Cluster; and the Army Achievement Medal with Oak Leaf Cluster.

Mr. Hewitt is married to the former Susan Meister of Old Town, Maine. They are the parents of two sons.

GySgt James Hoffman

Gunnery Sergeant Hoffman began his career at the Marine Corps Recruit Training Depot at Parris Island, South Carolina in 1998. Upon graduation, he attended the Nuclear, Biological and Chemical Defense (NBCD) School at Fort McClellan, AL, from November 1998 to February, 1999. In February, 1999, he reported to 3rd Medical Battalion, Force Service Support Group on Okinawa, Japan. In March, 2000, he reported to the 1st Reconnaissance Company, 1st Marine Division at Camp Pendleton, CA for duty as the NBCD Chief. He reported to 1st Force Service Support Group in January, 2001 and in January 2003, deployed to Iraq with Combat Service Support Battalion 10 in support of Operation Iraqi Freedom. He returned to Camp Pendleton in April, 2003 after being injured. In May, 2003, he was assigned to 7th Engineer Support Battalion, Camp Pendleton, CA, as the NBCD Chief. He deployed to Iraq again in July 2004 with Combat Service Support Group 15. In April, 2005 he was promoted to staff sergeant and joined the 7th Engineer Support Battalion Explosive Ordnance (EOD) Disposal Platoon for on the job training. He attended the U.S. Navy Explosive Ordnance Disposal School at Eglin Air Force Base, FL from May, 2005 to March, 2006. Following his graduation, he reported for duty to Marine Wing Support Squadron 372 at Marine Corps Air Station Camp Pendleton, CA. His third deployment to Iraq was from August 2007 to March 2008. While there he served as an EOD team leader and Non-Commissioned Officer in Charge at Al Asad and Al Qaim air bases. In March, 2008, he returned from Iraq and reported to the First Marine Expeditionary Force at Camp Pendleton, CA. In July 2008, he deployed to Iraq a fourth time with a Military Transition Team leader and Explosive Ordnance Disposal advisor for the Iraqi Bomb Disposal Company. In October 2008, he was assigned to the Regional Border Team North as the EOD advisor, Operations and Training Chief and EOD team leader. In January, 2009, he was promoted to Gunnery Sergeant. He returned from Iraq in August, 2009 and in September, 2009 reported to Marine Corps Base, Camp Pendleton where he serves as the EOD Operations Chief.

COL Charles Kibben

Colonel Kibben was born in North Carolina and currently considers Oregon home. He graduated from Methodist University in 1984 where he received a Bachelor of Arts Degree in History. Upon graduation, he was commissioned through ROTC as a Second Lieutenant in the Ordnance Corps. Colonel Kibben holds a Master of Science Degree in Administration from Central Michigan University, He holds a Master of Arts Degree in Management from Webster University, St. Louis; Military Studies at Fort Leavenworth, Kansas, and a Masters of Science Degree in Strategic Studies from the United States Naval War College. His military education includes the Ordnance Officer Basic and Advance Courses, Command & General Staff College, the School of Advanced Military Studies, and the Naval War College. Colonel Kibben has served in a variety of leadership and staff positions throughout his military career. As a Captain, he commanded the 23rd Ordnance Company, Kriegsfeld, Germany and as a Lieutenant Colonel, the 191st Ordnance Battalion and Reserve Storage Activity Miesau, Miesau, Germany. Colonel Kibben's prominent staff positions include Professor of Military Science, Montana State University, Bozeman, Montana and Division Support Operations Officer, 82nd Airborne Division, Fort Bragg, North Carolina. Most recently, Colonel Kibben served as the Chief of Staff and Army Military Representative to the Department of Defense Explosives Safety Board, Washington, D.C. Colonel Kibben's awards and decorations include: The Army Meritorious Service Medal with 7 Oak Leaf Clusters; The Army Commendation Medal with 2 Oak Leaf Clusters; The Army Achievement Medal; The Army Superior Unit Award; Parachute Badge, and Army Staff Identification Badge.

Mr. Dick Ladd

Richard Ladd became Chairman of Robison International, Inc., a Washington, D.C.-based defense consulting firm in 2007. Present and former clients include major domestic and international defense contractors plus several smaller, focused high technology firms. Prior to becoming Chairman, Dick served as President for 15 years and Vice President of Robison International for three years following nearly six years experience on the professional staff of the Senate Appropriations Subcommittee on Defense and as a Deputy Under Secretary of the Army. While on the Senate staff, he was responsible for the procurement budget and related policy matters. Dick is also a retired Army officer with background in logistics, systems analysis and program management. Dick is a graduate of Bowdoin College with a BA in mathematics and of Tulane University with an MBA in management science (operations research). Military schooling includes the U.S. Air Force Command and Staff College. He currently sits on the Board of The Hospice Cup, Inc., (an Annapolis, MD-based, regional charity), is a member of The Army Science Board, and the United States Army Command and General Staff College Advisory Committee. He lives in Annapolis, Maryland with his wife Sabra.

Dr. Joseph Lannon

Dr. Joseph A. Lannon was selected to the Senior Executive Service in March 1991. Since September 2005, Dr. Lannon has served as the Director for Armaments Research, Development and Engineering Center (ARDEC). He is responsible for management of over 3,400 people, for program direction for Armaments and for effective functioning of the Center. He is accountable for a progressive research and technology program, development of future systems concepts, effective engineering development, and the phase-in to production of materiel which is reliable, maintainable, and producible at a cost commensurate with performance. Dr. Lannon assures that system evaluation and armaments concepts are effectively provided at all phases of the research, development, engineering and production processes. The organization under his leadership has provided our Soldiers with over 144 materiel and urgent materiel releases of armament materiel. It has also won 21 Army's Greatest Inventions awards. In November 2007 the President and Commerce Secretary Gutierrez announced that ARDEC under his leadership had won the prestigious Malcolm Baldrige Award for organizational performance excellence.

From September 2003 until September 2005 Dr. Lannon was the Senior Technical Executive for the Armaments Engineering and Technology Center and played a major role in the reorganization of the Center. He led an organization of about 1,800 people in developing innovative technologies in armaments and developing world class people and facilities and equipment to execute armaments programs for ARDEC, Research Development and Engineering Command, Army Materiel Command, Department of Army, other services and Program Executive Office/Program Management customers. He was responsible for the Center's technical program and the effective and economical internal technical functioning of the Center. Dr. Lannon exercised full authority and technical direction in formulating, guiding and managing extensive research, development, and engineering efforts in accomplishing the Center's programs and projects. He managed and directed the activities of employees engaged in extensive programs carried out by subordinate Competency Directors. Dr. Lannon ensured competencies were built and employees were retrained in new and future efforts to ensure the Army's mission was met. The Center's activities encompass life-cycle research, development, and engineering of all Army lethal and non-lethal weapons systems and subsystems, excluding some missile systems.

Dr. Lannon served as Director of the Warheads, Energetics, and Combat Support Armament Center from July 1997 until September 2003. He was responsible for overall Center activities encompassing research, development, and life-cycle engineering of propellants and propellant charges, explosives and energetic warheads, pyrotechnics and pyrotechnic devices, and their manufacturing processes. Other responsibilities included: pollution prevention/abatement and demilitarization; manufacturing technology for energetic materials, warheads, propellant charges, packaging and projectile metal parts; ManTech program for all of the Armament Research, Development and Engineering Center; producibility engineering and design, development, and prove-out of prototypemanufacturing processes equipment and initial production facilities for the Center and Armament Research, Development and Engineering Center mission items; system life-cycle environmental and production readiness reviews; cost analysis for Armament Research, Development and Engineering Center mission items and in support of Program Executive Officers/Program Managers; logistics systems engineering and new equipment training/fielding for Armament Research, Development and Engineering Center mission items; management of Army's pollution prevention program.

From March 1991 until July 1997, Dr. Lannon was the Director of Energetics and Warheads Division at Picatinny Arsenal. He served as technical advisor to the Director on all matters related to basic research, exploratory development, and advanced development of energetic and related materials and was responsible for supervising 230 scientists and engineers engaged in research and exploratory development, advanced engineering design, analysis and development, and other life-cycle functions for energetic materials, warheads, propelling charges and pyrotechnic devices.

BG Jonathan Maddux

As Program Executive Officer Ammunition, Brigadier General Jonathan A. Maddux leads the mission to develop and procure conventional and leap-ahead munitions to increase combat power for the Warfighter. BG Maddux's previous acquisition assignments include: Chief of Staff, Office of the Assistant Secretary of the Army Acquisition, Logistics & Technology (ASA (ALT)); Project Manager Network Systems Integration, Future Combat Systems; Product Manager Combat Identification; Executive Officer, ASA (ALT); Deputy for System Management; Joint Surveillance and Target Attack Radar System and Land Warrior; Department of the Army System Coordinator; and Communications Director, Army Space Program Office.

BG Maddux's command and staff assignments include Squad Leader, 82nd Airborne Division Military Police Company; Platoon Leader, 24th Signal Battalion; Aide-de-Camp for the Commander, Information Systems Engineering Command; Communication and Electronic staff officer, 2nd Battalion, 5th Field Artillery, 1st Infantry Division (Forward); Company Commander, 38th Signal Battalion, 56th Field Artillery Command (Pershing II); Platoon Trainer, 4th Battalion, Ranger Training Brigade; and Commander, Signal Detachment, 75th Ranger Regiment.

BG Maddux holds two baccalaureate and three master degrees culminating in a Masters in Telecommunications from the University of Colorado (Boulder). His military education includes Signal Officer Basic and Advanced Courses, Project Management Course, Defense Systems Management College, Army Command and General Staff College, and the Army War College.

His awards include the Legion of Merit (2OLC), Meritorious Service Medal (3OLC), Army Commendation Medal (5OLC), Army Achievement Medal (1OLC), Southwest Asia Service Medal, Kuwait Liberation Medal, Good Conduct Medal, Master Parachutist Badge, Korean and French Parachutist Badge, Air Assault Badge, Army Staff Identification Badge and the coveted Black and Gold Ranger Tab.

COL Rick Mason

Colonel Rick Mason is currently serving as Chief of the Army Munitions Management Division for the Army Deputy Chief of Staff for Operations (G-3). His current responsibilities include Army staff integrator for munitions management, munitions operational readiness and development of the Army's total munitions requirements.

Previous key assignments include Commander, Blue Grass Army Depot from June 2005 until July 2008, where he commanded over 1,500 personnel providing depot and operational level conventional munitions and chemical defense equipment support to the Department of Defense; Chief of Support for the Multinational Force and Observers (MFO) responsible for the planning and execution of logistic support for an 11-nation, 2,500-strong military and civilian force operating in the Sinai, Egypt under the Camp David Peace Accords; He concurrently served as Deputy Commander for the U.S. Task Force Sinai, a brigade-size command consisting of two battalions and a headquarters element; and Commander of the 191st Ordnance Battalion and Miesau Army Ammunition Depot in Germany which provided munitions, parachute rigging, explosive ordnance disposal, cargo transfer and deployment support for all Army units in Europe.

Other assignments include Department of the Army staff officer (G4-Logistics) responsible for various munitions management policies and critical munitions support planning for Operation Iraqi Freedom, Logistics Plans Officer for the Allied Command Europe Rapid Reaction Corps where he participated in Bosnia and Kosovo operations, Chief of the Brigade Materiel Management Center and Support Operations Officer for the 194th Separate Armored Brigade at Fort Knox, Kentucky; Commander of the 60th Ordnance Company in Germany; the G4 Missile and Munitions staff officer for both V Corps in Germany and I Corps at Fort Lewis, Washington; Ammunition Supply Point Control Officer at Fort Lewis; and as a Munitions Materiel Management Officer at McAlester Army Ammunition

Colonel Mason's military education includes the Logistics Executive Development Course, the Army Command and General Staff College, and the Army War College. He holds a Bachelor of Science in Chemistry from Loyola College of Baltimore, Maryland, and a Master of Science in Logistics Management from Florida Institute of Technology. His awards and decorations include the Legion of Merit; Defense Meritorious Service Medal with Oak Leaf Cluster; the Meritorious Service Medal with 3 Oak Leaf Clusters; the Army Commendation Award with 4 Oak Leaf Clusters; the Kosovo Campaign Medal; two awards of the NATO Campaign Medal; the Multinational Force and Observers Medal; and the Joint Meritorious Unit Award.

RDML James McManamon

A native of Chicago, Rear Admiral Jim McManamon, graduated in 1980 from Northwestern University. He was a member of the NROTC Unit and was commissioned an ensign in the United States Navy in June 1980.

McManamon's sea tours include USS Dahlgren (DDG43); operations officer, USS Hawes (FFG53); operations officer, USS MAHAN (DDG42); executive officer, USS Vincennes (CG49) and commanding officer, USS Milius (DDG69). Milius was awarded the Battle E, Surface Ship Safety Award and the Meritorious Unit Commendation during his tour.

His shore tours include the NROTC Unit, University of South Carolina, Columbia, S.C.; the staff of the Chief of Naval Operations, (OP-75), and (N865); Afloat Training Group, Pacific; program executive office Theater Surface Combatants (PEOTSC) as chief staff officer/executive assistant. He was then assigned as PMS400F, deputy for Fleet and upon the PEO/NAVSEA re-organization, the program manager for surface combatants in PEO Ships. Then he was assigned as a naval aide and executive assistant to the Assistant Secretary of the Navy - Research, Development and Acquisition (ASNRDA). His first job as a flag officer was deputy commander for Warfare Systems Engineering, SEA-06, Naval Sea Systems Command. He is now serving as the deputy commander, Surface Warfare (SEA21) at Naval Sea Systems Command. McManamon serves as the lead of the Future Readiness Team for the Surface Warfare Enterprise. He also serves on the SWE Board; as a member of the SWE Executive Committee and as the executive secretary for Distance Support Governance Board. Rear Admiral McManamon is also assigned as the Director, Ordnance Safety, SEA 00V.

McManamon's personal decorations include the Legion of Merit (with gold star), Meritorious Service Medal (with two gold stars), the Navy Commendation Medal (with two gold stars), Navy Achievement Medal (with two gold stars) and various service awards

COL Raymond Nulk

Colonel Raymond Nulk holds a Bachelor of Arts degree in Natural Sciences from Johns Hopkins University, a Master of Science in Business Administration from Boston University and a Master of Strategic Studies from the Army War College.

He has served in a variety of command and staff positions in Hanau, Germany.

Following these assignments, Colonel Nulk spent one year in the Training with Industry program with Westinghouse Corporation's Electronic Systems Group in Baltimore, MD. He then attended the Materiel Acquisition Management Course and entered the Army Acquisition Corps.

His acquisition assignments include Multiple Launch Rocket System (MLRS) Project Manager Representative - Europe; Deputy Product Manager, MLRS Improved Fire Control System; Instructor, Army Command and General Staff College; International Cooperative RD&A Staff Officer; Product Manager for Towed Artillery Digitization, Joint Program Management Office Light Weight 155 Howitzer; Senior Program Analyst within the Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology; Product Director for the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS) and Project Manager for Close Combat Weapons Systems.

Colonel Nulk is currently the Project Manager Close Combat Systems (PMCCS), Program Executive Office for Ammunition, located here at Picatinny Arsenal, NJ.

CSM David Puig

CSM David Puig joined the Oregon Army National Guard December 1985 as a combat medical specialist stationed at Lebanon, Oregon. He soon transferred over to active duty.

His previous assignments include combat medic, 9th ID, Fort Lewis; EOD team member, 27th EOD, Fort Lewis; EOD team member and EOD team leader, 47th EOD, Fort Hood; EOD team leader, 17th EOD, Fort Campbell; Operations NCO, 8th EOD, Camp Redcloud; Operations NCO and First Sergeant, 717th EOD, Fort Campbell; Instructor/writer, Nuclear Ordnance Division, 1st EOD TNGDET, Eglin AFB; First Sergeant, 703rd EOD, Fort Knox; Command Sergeant Major, 3d EOD BN, Fort Lewis; Command Sergeant Major, Joint Task Force Paladin (C-IEDBDE), Afghanistan. He is currently assigned as the Command Sergeant Major for the Joint Munitions Command, Rock Island Arsenal.

His deployments include Operation Desert Storm, 2 tours Operation Iraqi Freedom, 1 tour Operation Enduring Freedom, and 6 separated deployments to the country of Jordan totaling 10 months.

His civilian education includes an Associate's Degree in Applied Sciences and Technology and he is completing a Bachelor's Degree in Emergency Response Management. His military education includes all NCO EScourses through the Sergeants Major Course (Class 57), the First Sergeants course, the battle staff course, medical specialist course, the explosive ordnance disposal course and instructor course. He is an OMMCS Army Master Instructor.

CSM Puig's awards and decorations include the Bronze Star Medal with 2 OLC, the Defense Meritorious Service Medal, the Meritorious Service Medal with 1 OLC, the Joint Service Commendation Medal with 1 OLC, the Army Commendation Medal with 5 OLC, the Joint Service Achievement Medal, the Army Achievement Medal with 6 OLC, the Korean Defense Service Medal, the Armed Forces Expeditionary Medal, the South West Asia Service Medal with 1 BSS, the Afghanistan Campaign Medal with 1 BSS, the Iraq Campaign Medal with 3 BSS, the Global War on Terrorism Expeditionary Medal, the Joint Meritorious Unit Award with 1 OLC, the Valorous Unit Award with 1 OLC, the Combat Action Badge, the Expert Field Medical Badge, the Master EOD Badge and the Parachutist Badge. He has also been inducted into the Ordnance Order of Samuel Sharpe, and the Infantry Order of Saint Maurice (Legionnaire).

He is married to the former Ms. Nikki Wood of Hurst Texas and has two children, Amanda age 19 and Taylor age 15.

Mr. Bill Sanville

Mr. Sanville was born in Lowell, MA, on 4 June 1960. A graduate of the University of Massachusetts-Lowell, with a B.S. degree in Engineering, he assumed his present assignment as Product Director, Non-Standard Ammunition in Jun 2008. Prior to this assignment, Mr. Sanville served as the Deputy Project Manager for Maneuver Ammunition Systems (MAS), and from June 2002-July 2004, was the first Project Manager, Maneuver Ammunition Systems.

Mr. Sanville has held various positions within the Armaments and the Army Acquisition Corps community. At Watervliet Arsenal, NY, he was a quality and reliability engineer and test manager on the development, production, and fielding of the 120mm M256 tank cannon. After transitioning to Picatinny Arsenal, he held various positions of increasing authority within the Fire Support Armaments Center, all associated with 105mm Artillery Systems, and culminating as the Development Project Officer for 105mm Artillery Systems.

Mr. Sanville served as Chief, Systems Engineering and Integration Division, Office of the Project Manager, Crusader, where he also served as Crusader program Technical Director. Mr. Sanville has served as the principal representative to NATO LGIV, and Sub Panel III, Surface-to-Surface Artillery. He has also been the US Head of Delegation for the five-nation Joint Ballistics Working Group. Prior to his present Maneuver Ammunition Systems leadership assignments, Mr. Sanville was the Associate Program Executive Officer, Ground Combat Systems and Director of Program Management within Ground Combat Systems.

Mr. Sanville completed the year-long Quality and Reliability Engineering Intern Program at Red River Army Depot, Texarkana, TX. He has earned a Master's degree in the Management of Technology from the University of Pennsylvania Wharton School of Business and the Moore School of Engineering, where he was a Moore Fellow. In addition he has completed numerous courses in Defense Acquisition Management and is a graduate of the Program Managers Course. He is a member of the Army Acquisition Corps and was a graduate of the United States Marine Corps Platoon Leaders Course.

Mr. Sanville's awards and decorations include the Meritorious Civilian Service Award, two Superior Civilian Service Awards, and the Commander's Award for Civilian Service. He has also received the David Packard Award for Acquisition Excellence, the Secretary of Defense Office of Small and Disadvantaged Business Program Manager of the Year Award, a National Defense Industrial Association (NDIA) Firepower award for Management, the 2006 NDIA Moseley Award for serving with distinction in the munitions industry, and is a recipient of the Honorable Order of St. Barbara given by the United States Field Artillery Association. Mr. Sanville was also the PEO AMMO nominee for the Army Project Manager of the year award in 2003 and 2004.

Mr. Jim Shields

Mr. James Shields became the Deputy Program Executive Officer for Ammunition in November 2009. The PEO Ammunition mission is to execute lifecycle management of munitions and serve as the Department of Defense Single Manager for Conventional Ammunition. With an FY10 operating budget of \$3.9 billion, the PEO manages conventional ammunition for all our armed services and certain allied partners and equips Soldiers with mortars, counter mine and counter IED systems. Mr. Shields is a member of the Senior Executive Service, Army Acquisition Corps and is certified at the highest level in Program Management.

Prior to his assignment as the DPEO Ammunition, Mr. Shields was the Joint Program Manager for the Lightweight 155mm Howitzer (LW155). From Apr 05–Nov 09 he was responsible for the development, production, fielding and sustainment of the newest artillery system in service with both the Army and Marine Corps. The LW155 incorporates several firsts for towed artillery; all of the major structures are fabricated from high strength titanium alloy enabling a 40% weight reduction, it incorporates a state-of-the-art digital fire control system for improved accuracy and responsiveness, and it has fully integrated the hardware and software necessary to program and fire the latest generation of 155mm precision munitions in service with the Army. In addition to the LW155 Mr. Shields was responsible for the lifecycle management of other towed artillery systems to include the M119A2, M198, the M111 Improved Position and Azimuth Determining System. Mr. Shields led the effort to restart production of the M119A2 after being out of production for more than 10 years, successfully ramped up deliveries to support the Army's urgent equipping needs and initiated a program to incorporate digital fire control.

Prior to his work as both the Joint Program Manager and Deputy Program Manager for the LW155 program Mr. Shields was the Chief of the Systems Engineering Division for the Army's Crusader self-propelled artillery system. From Aug 97–Dec 99 he was responsible for managing, directing, controlling and evaluating all aspects of systems engineering and systems integration activities for the ACAT1D program. He also served as the Acting Product Manager, Deputy Product Manager and the Lead Armaments Engineer on the Crusader Firepower and Resupply Integrated Product Development Team. His responsibilities included the development of a wider range of technologies being developed for the Crusader system (e.g. laser ignition, advanced cannon, propellant and fuze design, ammunition handling, composite structures, thermal management, etc...).

Prior to his work on Crusader, Mr. Shields was a team leader on the Wide Area Mine (WAM) and a mechanical systems specialist in the International Programs Office for the Autonomous Precision Guided Munitions (APGM) where he was responsible for directing the warhead and air framed development efforts. Mr. Shields helped develop an improved warhead for the M712 Copperhead precision munition and was the project engineer on an in-house effort which demonstrated improved performance against advanced armors.

Mr. Shields graduated from Rutgers University with a Bachelor of Science in Mechanical Engineering and received a Master of Science in Mechanical Engineering from Stevens Institute of Technology. He is a graduate of the Program Management Course and the Executive Program Management Course at the Defense Systems Management College.

Mr. Shields is a member of the American Society of Mechanical Engineers, the United States Army Field Artillery Association and the Army Acquisition Corps. His awards include the Secretary of the Army Award, Meritorious Civilian Service Medal, Superior Civilian Service Medal, NDIA Award for Outstanding Achievement in Production and the Saint Barbara's Medal.

Mr. Paul Turner

Mr. Turner is the Acting Director for the Weapons Development and Integration Directorate (WDI) in the Aviation and Missile Research, Development, and Engineering Center (AMRDEC), Research Development and Engineering Command (RDECOM). Mr. Turner has technical and managerial responsibility for research, exploratory and advanced development, and provision of engineering and scientific expertise in all technology areas related to sensors, guidance, electronics, systems integration, structural design and analysis, missile propulsion, modeling, thermodynamic analysis, lethal mechanism design and integration, and integration of weapons on to air and ground platforms. He oversees a staff of over 400 civilian professional, scientific and support personnel including two Army S&T positions. Mr. Turner has 19 years of service with the US Government and previously served as the Chief of the Systems and Warheads Function in WDI. In this capacity, he was responsible for directing and managing a team of approximately 30 engineers and technicians to design, develop, demonstrate, and integrate critical technologies into rocket and missile systems for the warfighter. These critical technologies include: warheads, fuzing, and active protection systems.

His prior assignments in AMRDEC include: Deputy Program Manager for the five year, \$74.5M ATOP program called Smaller, Lighter, and Cheaper Munition Components (SLCMC); this effort focuses on reducing the cost and weight in our missile systems. Mr. Turner serves as the program manager for the Anti-Materiel Explosive Round (AMER) being conducted under SLCMC ATOP. Mr. Turner also served as the Subject Matter Expert for the TOW Bunker Buster Warhead Section and Javelin Block 0&1 warhead sections.

Mr. Turner served from 1998 to 2005 in the Program Executive Office Missile and Space (PEOM&S), Close Combat Weapon System Project Office. During this time Mr. Turner served as the Chief Engineer for the Javelin Missile System from 2003-2005; responsible for all engineering aspects of the Javelin Missile System to include: system production, foreign military sales, and all future Product Improvement capabilities. From 2000-2003, Mr. Turner served as the Lead Engineer for the TOW Fire and Forget (TOWF&F) Encased Missile (EM) Integrated Product Team (IPT) providing leadership and direction to the 35 member technical team. He was responsible for the overall engineering, design, development, fabrication, integration and qualification of the TOWF&FEM's three modules (control, propulsion, and ordnance). Mr. Turner also served as the Product Manager and Lead Engineer for the TOW Bunker Buster Missile System.

Mr. Turner holds a Bachelor of Science in Engineering from the University of Alabama in Huntsville and Master of Science in Engineering Management from Florida Institute of Technology and is currently pursuing his PhD in Engineering Management. He is also Level III Certified in Systems Planning Research, Development & Engineering as well as Test and Evaluation. Mr. Turner is a member of the Army Acquisition Corps.

Mr. Turner is a native of Valley Head, Alabama, and is married to the former Ms. Ondreja Longuet of Montgomery, Alabama. They have one son Greg. They reside in New Market, Alabama.

COL Scott Turner

Colonel Turner was born on March 5, 1964 in Gainesville, Florida. In 1986, he received his Regular Army commission as a Second Lieutenant in the Field Artillery, graduating with a Bachelor of Science degree in Biology from Florida Southern College in Lakeland, Florida. In 2009, Colonel Turner received a Master of Science degree in National Resource Strategy from the Industrial College of the Armed Forces at Fort Lesley J. McNair. Additionally, Colonel Turner is a graduate of the Field Artillery Officer Basic and Advanced Courses as well as the Defense Acquisition University's Program Manager's Course, Executive Program Manager's Course, and the Senior Acquisition Course.

Colonel Turner's most recent acquisition assignment was as Deputy Director, FCS Program Integration, Office of the Assistant Secretary of the Army for Acquisition, Logistics, and Technology from July 2007 to July 2008. From September 2004 to July 2007, he served as Product Manager, FBCB2-Blue Force Tracking. From January to August 2004, Colonel Turner served as a Department of the Army Systems Coordinator for FCS Unmanned and Complementary Systems. From September 2002 to January 2004, he served as Resource Integration Officer, Objective Force Task Force. From July 2000 to July 2002, he served as Assistant Project Manager, Crusader Systems Engineering & Integration. From July 1999 to July 2000, he served as Deputy Chief, TACOM Saudi Infantry Corps Modernization Office in Riyadh, Kingdom of Saudi Arabia. Colonel Turner's initial acquisition assignment was as Field Artillery Technology Manager at ARL from February 1997 to June 1998. Additionally, from April 1991 to December 1994, Colonel Turner served as 4th Division Artillery S3 Operations Duty Officer, Emergency Action Manager, Counter Fire Officer, and finally as Commander, A Battery, 26th Field Artillery (Target Acquisition). He also served as Special Weapons Field Storage Site Platoon Leader, COMSECCustodian, and Emergency Action Manager while assigned to the 36th USAFAD, Hemau, West Germany, from July 1987 to September 1990.

Colonel Turner is a graduate of the Combined Arms and Services Staff School and Command & General Staff College. Colonel Turner's awards include the Meritorious Service Medal (6th Oak Leaf), Army Commendation Medal (2nd Oak Leaf), Army Achievement Medal (2nd Oak Leaf), National Defense Service Medal (Oak Leaf), and the Overseas Service Ribbon (Two Tours). He is authorized to wear the Parachutist Badge.

Colonel Turner is married to the former Lisa Marie Quidileg from Marina, CA. They have been married for eight years.

BG Larry Wyche

Brig. Gen. Larry Wyche was commissioned as a Quartermaster officer in 1983. His most recent assignment was as director, Strategy and Integration, Office of the Deputy Chief of Staff, Army Logistics.

Previous assignments include a recent redeployment from Operation Enduring Freedom, Afghanistan where he served as the commander of the Joint Logistics Command, Combined Joint Task Force-76; chief, Focus Logistics Division, Force Development, Deputy Chief of Staff Programs, Resource Management; chief, Initiative Group, Deputy Chief of Staff Programs, Resource Management; commander, 4th Forward Support Battalion, 4th Infantry Division, Fort Hood, Texas; Logistics Planner, Combined Forces Command, Republic of Korea; operations officer, 46th Support Group (Airborne); executive officer, 189th Corps Support Battalion (Airborne); chief of Readiness, Assistant Chief of Staff, Logistics, XVIII Airborne Corps, Fort Bragg, N.C.; operations officer, 502nd Forward Support Battalion, 2nd Armored Division, Fort Hood, Texas; logistics planner and chief of Maintenance and Supply, Assistant Chief of Staff, Logistics, 5th Infantry Division (Mechanized), Fort Polk, La.; commander, 114th Quartermaster Company, 2nd Quartermaster Group, Republic of Korea; Personnel, 240th Quartermaster Battalion and Platoon Leader, 267th Quartermaster Company, Fort Lee, Va. Brig. Gen. Wyche also served in the enlisted ranks as a Cavalry Scout, squad and section leader in 2nd Armored Division, Fort Hood, Texas. He holds a Bachelor of Science in Business Management from Texas A&M University, Corpus Christi; Masters Degree in Logistics Management from the Florida Institute of Technology, and a Masters Degree in National Resource Strategy from the Industrial College of the Armed Forces. He is a graduate of the Industrial College of the Armed Forces, Joint Professional Military Education Course; Armed Forces Staff College; Command and General Staff College; and Logistics Executive Development Course. He is also a graduate of the Airborne and Air Assault Schools.

Awards and decorations include: Legion of Merit, Bronze Star Medal, Defense Meritorious Service Medal, Meritorious Service Medal, Army Commendation Medal, Joint Service Achievement Medal, Army Achievement Medal, Army Reserve Component Achievement Medal, Armed Forces Expeditionary Medal, Global War on Terrorism Medal, Afghanistan Campaign Medal, and the Humanitarian Service Medal.

Brig. Gen. Wyche, a native of Emporia, Va., is married to the former Denise Martin of Corpus Christi, Texas.

Mr. Matthew Zimmerman

Mr. Zimmerman is employed by the U.S. Army's Program Executive Office for Ammunition as the Deputy PM Joint Services. PM Joint Services is responsible for integrating and coordinating the DoD's Single Manager for Conventional Ammunition (SMCA) mission; executing the SMCA's industrial base management responsibilities to include a \$825M (FY10-FY15) Army Ammunition Plant modernization program, strategic planning and executing Public Law 105-261, Section 806; managing the acquisition of \$300M annually for the Navy and Air Force Bombs and Navy Ship Gun programs; managing the current and future Army ammunition logistic research & development (R&D) effort; managing a munitions manufacturing technology and prototyping program (\$30M annually); and managing the \$1B (FY10-FY15) demilitarization program for all of DoD's missile and conventional ammunition. He was previously the Associate PEO for Ammunition, Industrial Base, when the organization was first established having responsibility for the SMCA's ammunition industrial base management responsibilities. Prior to PEO Ammunition, he was employed with the U.S. Army Armament Research, Development and Engineering Center (ARDEC) located in Picatinny Arsenal, N.J. where he was the Associate for Engineering in the Close Combat Armaments Center, responsible for Development and Production of close combat armament commodities (tank ammo, medical weapons/ammos, small cal weapons/ammo). Prior to this position, he was employed in the Office for the Under Secretary of Defense for Acquisition, Technology and Logistics, as Land Warfare Staff Principal for the Multiple Launched Rocket System (MLRS) Upgrade, Land Warrior, Joint Non-Lethal Weapons Program, and Assistant Staff Principal on the Army Tactical Missile System (ATACMS) and Joint Unexploded Ordnance Program. Mr. Zimmerman was Deputy Program Manager of the Joint Service Small Arms Program (JSSAP), the small arms R&D management office for the Army, Navy, Air Force, Marine Corps, Special Operations Command and Coast Guard. He has held a variety of program and engineering management positions to include Program Manager of the Objective Individual Combat Weapon (OICW) and Objective Crew Served Weapon (OCSW) airbursting munition systems, and several directed energy, fire control, warhead, MEMS and fuzing technology projects. His international experience includes a tour with the Australian Army's Engineering Development Establishment, participation in NATO working groups, and the Infantry Weapons Data Exchange Annex lead with Korea, UK, and France. Throughout his 24-year career, Mr. Zimmerman has published several technical papers and was a contributing author to the National Aeronautics and Space Administration (NASA) sponsored textbook on Project Management Excellence. Mr. Zimmerman received a B.S. in Mechanical Engineering from Pennsylvania State University, a Master in Engineering from Stevens Institute of Technology, and a Master in Technology Management from the University of Pennsylvania's Wharton School and Engineering School.

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