

## BIOGRAPHY

### General Carter F. Ham, U.S. Army, Retired

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General Carter Ham is the President and Chief Executive Officer of the Association of the United States Army, a Virginia-based, private non-profit organization with 121 chapters worldwide that acts primarily as an advocacy group for the Army and its soldiers, families and retirees.

General Ham retired from the United States Army in 2013 as the Commander, U.S. Africa Command where he traveled to 42 countries as part the Command's efforts to enhance America's security by establishing and developing partnerships. He directed military operations, including leading coalition forces during the Libyan conflict in 2011, hostage rescue operations in Somalia and counter-terrorism operations across the African continent.

Prior to leading AFRICOM, General Ham was the commander of all U.S. Army forces in Europe, where he oversaw troops deployed to the Balkans, to Iraq and as part of the North Atlantic Treaty Organization mission in Afghanistan. He spent nearly four decades in the Army and is one of a very small number of military leaders who rose from the rank of Private to four-star General.

General Ham served in various capacities both in the field and in the Pentagon. In January 2004, he assumed command of Multinational Brigade (Task Force Olympia) – North in Mosul, Iraq serving there until February 2005. He commanded the First Infantry Division (the Big Red One) and, later, served as the Director of Operations, J3, at the Joint Staff. In retirement, he chaired the Congressionally-mandated National Commission on the Future of the Army.

He is a 1976 Distinguished Military Graduate of John Carroll University in Cleveland, Ohio. General Ham earned a master's degree from the Naval War College, Newport, Rhode Island. He and his wife, Christi (also a John Carroll graduate and a lifelong educator), have two grown children and three fast-growing grandchildren.



## General John E. Hyten

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Gen. John E. Hyten is Commander of U.S. Strategic Command (USSTRATCOM), one of nine Unified Commands under the Department of Defense. USSTRATCOM is responsible for the global command and control of U.S. strategic forces to meet decisive national security objectives, providing a broad range of strategic capabilities and options for the President and Secretary of Defense.

General Hyten attended Harvard University on an Air Force Reserve Officer Training Corps scholarship, graduated in 1981 with a bachelor's degree in engineering and applied sciences and was commissioned a second lieutenant. General Hyten's career includes assignments in a variety of space acquisition and operations positions. He served in senior engineering positions on both Air Force and Army anti-satellite weapon system programs.

The general's staff assignments include tours with the Air Force Secretariat, the Air Staff, the Joint Staff and the Commander's Action Group at Headquarters Air Force Space Command as Director. He served as mission director in Cheyenne Mountain and was the last active-duty commander of the 6th Space Operations Squadron at Offutt AFB, Nebraska. In 2006, he deployed to Southwest Asia as Director of Space Forces for operations Enduring Freedom and Iraqi Freedom. General Hyten commanded the 595th Space Group and the 50th Space Wing at Schriever AFB, Colo. Prior to assuming command of Air Force Space Command, he served as the Vice Commander, Air Force Space Command.

### EDUCATION

- 1981 Bachelor's degree in engineering and applied sciences, Harvard University, Cambridge, Mass.
- 1985 Master of Business Administration degree, Auburn University, Montgomery, Ala.
- 1985 Distinguished graduate, Squadron Officer School, Maxwell AFB, Ala.
- 1994 Distinguished graduate, Air Command and Staff College, Maxwell AFB, Ala.
- 1999 National Defense Fellow, University of Illinois, Champaign
- 2011 Senior Managers in Government Course, Harvard University, Cambridge, Mass

### ASSIGNMENTS

1. November 1981 - December 1985, Configuration Management Officer and Chief, Configuration Management Division, Automated Systems Program Office, Gunter AFB, Ala.
2. December 1985 - July 1989, Chief, Software Development Branch; and Chief, Engineering and Acquisition Division, Space Defense Programs Office, Los Angeles AFB, Calif.
3. August 1989 - July 1990, Special Adviser to the U.S. Army, Kinetic Energy Anti-Satellite Program Office, U.S. Army Strategic Defense Command, Huntsville, Ala.
4. July 1990 - August 1991, Deputy for Engineering, Strategic Defense Initiatives Program Office, Los Angeles AFB, Calif.
5. August 1991 - May 1992, Executive Speechwriter and Systems Analyst, Assistant Secretary of the Air Force (Acquisition), the Pentagon, Washington, D.C.
6. May 1992 - July 1993, Program Element Monitor, Advanced Technology Programs, Assistant Secretary of the Air Force (Acquisition), the Pentagon, Washington, D.C.
7. July 1993 - June 1994, Student, Air Command and Staff College, Maxwell AFB, Ala.
8. July 1994 - June 1996, Mission Director, Space Operations Officer, and Chief, Command Center Training, U.S. Space Command, Cheyenne Mountain Air Force Station, Colo.
9. August 1996 - August 1998, Commander, 6th Space Operations Squadron, Offutt AFB, Neb.

10. August 1998 - June 1999, National Defense Fellow, University of Illinois, Champaign
11. June 1999 - June 2001, Operations Officer, and Chief, Space Branch, Defense and Space Operations Division, Deputy Director for Operations (Current Readiness and Capabilities), J3, Joint Staff, the Pentagon, Washington, D.C.
12. June 2001 - June 2003, Chief, Space Control Division, Directorate for Space Operations and Integration, Deputy Chief of Staff for Air and Space Operations, Headquarters U.S. Air Force, Washington, D.C.
13. June 2003 - July 2004, Director, Commander's Action Group, Headquarters Air Force Space Command, Peterson AFB, Colo.
14. July 2004 - April 2005, Commander, 595th Space Group, Schriever AFB, Colo.
15. April 2005 - May 2007, Commander, 50th Space Wing, Schriever AFB, Colo. (May 2006 - October 2006, Director of Space Forces, U.S. Central Command Air Forces, Southwest Asia)
16. May 2007- September 2009, Director of Requirements, Headquarters Air Force Space Command, Peterson AFB, Colo.
17. September 2009 - February 2010, Director, Cyber and Space Operations, Directorate of Operations. Deputy Chief of Staff for Operations, Plans and Requirements, Headquarters U.S. Air Force, Washington, D.C.
18. February 2010 - August 2010, Director, Space Acquisition, Office of the Under Secretary of the Air Force, the Pentagon, Washington, D.C.
19. September 2010 - May 2012, Director, Space Programs, Office of the Assistant Secretary of the Air Force for Acquisition, Washington, D.C.
20. May 2012 - Aug 2014, Vice Commander, Air Force Space Command, Peterson AFB, Colo.
21. Aug 2014 - Oct 2016, Commander, Air Force Space Command, Peterson AFB, Colo.
22. Nov 2016 - present, Commander, U.S. Strategic Command, Offutt AFB, Neb.

#### **SUMMARY OF JOINT ASSIGNMENTS**

1. July 1994 - June 1996, Mission Director, Space Operations Officer, and Chief, Command Center Training, U.S. Space Command, Cheyenne Mountain Air Force Station, CO., as a major
2. June 1999 - June 2001, Operations Officer, and Chief, Space Branch, Defense and Space Operations Division, Deputy Director for Operations (Current Readiness and Capabilities), J3, Joint Staff, the Pentagon, Washington, D.C., as a lieutenant colonel

#### **MAJOR AWARDS AND DECORATIONS**

Distinguished Service Medal with oak leaf cluster  
 Legion of Merit with oak leaf cluster  
 Defense Meritorious Service Medal with two oak leaf clusters  
 Meritorious Service Medal with four oak leaf clusters  
 Air Force Commendation Medal  
 Army Commendation Medal  
 Joint Service Achievement Medal  
 Air Force Achievement Medal

#### **BADGES**

Master Space Operations Badge  
 Master Cyberspace Operator Badge

#### **OTHER ACHIEVEMENTS**

1991 Recipient of the William Jump Award for Excellence within the Federal Government  
 1998 Recipient of a Laurels Award, Aviation Week and Space Technology Magazine  
 2009 Gen. Jerome F. O'Malley Distinguished Space Leadership Award

#### **PUBLICATIONS**

"A Sea of Peace or a Theater of War: Dealing with the Inevitable Conflict in Space," The Program in Arms Control, Disarmament, and International Security Occasional Paper, University of Illinois, 2000

"A Sea of Peace or a Theater of War," Air and Space Power Journal, Air University Press, 2002

"Moral and Ethical Decisions Regarding Space Warfare," with Dr. Robert Uy, Air and Space Power Journal, Air University Press, 2004

**LTG James H. Dickinson**  
**Commanding General**  
**USASMDC/ARSTRAT**

Lieutenant General James H. Dickinson assumed command of the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command and Joint Functional Component Command for Integrated Missile Defense on Jan. 5, 2017. Commissioned in 1985 as a Second Lieutenant, he has held leadership positions, from platoon leader to Commanding General of an Army Air and Missile Defense Command.

He most recently served as the Chief of Staff, U.S. Strategic Command, Offutt Air Force Base, Nebraska. He was previously assigned as the Director for Test at the Missile Defense Agency, Redstone Arsenal, and as Deputy to The Inspector General in the Office of the Secretary of the Army.

LTG Dickinson was the Commanding General of the 32nd Army Air and Missile Defense Command at Fort Bliss, Texas, from July 2012 to March 2014, and Commanding General of the 94th Army Air and Missile Defense Command at Fort Shafter, Hawaii, from August 2011 to July 2012.

Additional command assignments include: Battalion Commander, 1st Battalion, 7th Air Defense Artillery, 32nd Air and Missile Defense Command, Fort Bliss, Texas, where the battalion deployed in support of Operations Enduring Freedom and Iraqi Freedom; and Brigade Commander, 35th Air Defense Artillery Brigade, Eighth United States Army, Republic of Korea.

Previous staff assignments include: Operations Officer, 5th Battalion, 52nd Air Defense Artillery, 11th Air Defense Artillery Brigade, Fort Bliss, Texas, and Operation Southern Watch, Saudi Arabia; Operations Officer, 11th Air Defense Artillery Brigade, Fort Bliss, Texas; Senior Emergency Actions Officer and Senior Operations Officer, National Military Command Center, J-3, Joint Staff, Washington, D.C.; Chief of Operations, G-3, later Assistant Chief of Staff, G-3, 32nd Army Air and Missile Defense Command, Fort Bliss, Texas; Chief, Commander's Initiatives Group, United Nations Command/Combined Forces Command, U.S. Forces Korea, Republic of Korea; and Deputy Director for Operations, National Military Command Center, J-3, Joint Staff, Washington, D.C.

His awards and decorations include the Distinguished Service Medal (oak leaf cluster), Defense Superior Service Medal (two oak leaf clusters), Legion of Merit (two oak leaf clusters), Bronze Star Medal, Defense Meritorious Service Medal, Meritorious Service Medal (two oak leaf clusters), Army Commendation Medal (two oak leaf clusters), Joint Service Achievement Medal, Army Achievement Medal (three oak leaf clusters), Parachutist Badge, Basic Space Badge, and Joint and Army Staff Identification Badges.

LTG Dickinson graduated from Colorado State University with a Bachelor of Science in mechanical engineering and from the Colorado School of Mines with a Master of Science in operations research and systems analysis (engineering). He later earned a master's degree in strategic studies from the United States Army War College.



January 2017





## Mr. Barry J. Pike

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Mr. Pike is the Program Executive Officer, Missiles and Space, Redstone Arsenal, AL. He is responsible for the development, production, fielding, sustainment, and international program aspects for assigned missile and space systems. In January 2016, Mr. Pike was promoted to Senior Executive Service, Tier II.

Prior to his current assignment, Mr. Pike was the Deputy Program Executive Officer, Missiles and Space, which he assumed in 2010. Mr. Pike was selected for the Senior Executive Service in January 2010.

Mr. Pike served as the PEO MS Chief of Staff from 2005-2010. From 2000 to 2005, Mr. Pike served as the Chief of Staff for the Program Executive Office for Air, Space, and Missile Defense Systems. From 1992-1999, he served in a variety of key leadership positions in the Army National Missile Defense Ground Based Elements Program Office including the Deputy Program Manager, Chief of the

Program and Acquisition Management Division, Assistant Program Manager for Program Planning, and Chief of the System Engineering and Analysis Branch. In the DPM position, he shared responsibility with the SES Program Manager in directing the development, testing, integration, and deployment planning of the ground-based NMD elements including the ground-based interceptor/radar, and associated battle management/command, control, and communications capability.

In 1991, Mr. Pike was selected for a prestigious one-year developmental assignment in the Office of the Under Secretary of Defense for Acquisition at the Pentagon. He led the THAAD Milestone I Defense Acquisition Board (DAB) coordination efforts across the Services, Joint Staff, and OSD Staff.

From 1988-1991, Mr. Pike led the Army's Anti-Satellite (ASAT) Initiative and was assigned as the Army focal point for ASAT management. He led the program through the Milestone 0 and Milestone I DAB Reviews resulting in the initiation of the Kinetic Energy (KE) ASAT program and the establishment of the KE ASAT Joint Program Office. In the KE ASAT JPO, Mr. Pike led various systems engineering teams.

Mr. Pike has received numerous government and defense industry awards including two Meritorious Civilian Service Awards, two Superior Civilian Service Awards, two Commander's Awards for Civilian Service, the OSD Award for Excellence, the National Defense Industrial Association Materiel Acquisition Award, and the Ancient Order of Saint Barbara's for Air Defense Artillery. He has also been nominated three times for the Redstone/Huntsville AUSA Civilian of the Year Award. He is Level III certified in Program Management and Systems Planning, Research, Development, and Engineering career fields.

Mr. Pike is a native of Hartselle, AL. He graduated with honors from Auburn University with Bachelor's and Master's Degrees in Chemical Engineering. While at Auburn, he was elected to the Student Government Association Senate and was a member of numerous professional engineering organizations and honor societies including Tau Beta Pi. He is a graduate of the Defense Acquisition University Program Management Course and is a member of the Army Acquisition Corps.







## MAJOR GENERAL FRANCIS G. MAHON

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Major General Fran Mahon retired from the United States Army after thirty-four years of active duty service and since 2014 has been an independent aerospace and defense consultant.

A career Air and Missile Defense Officer, he has extensive experience: in developing strategy, policy, and plans for joint, combined, and inter-agency operations; programming, budgeting, and program management; and working across the US- Inter-Agency, US military, and with partner nation militaries.

Since retiring he has led or supported studies and independent review teams for the Missile Defense Agency, the US Army, Federally Funded Research & Development Centers, and across the aerospace and defense industry. He is a Co-Founder and Senior Fellow of The Common Defense, a non-profit – independent voice for America’s national security. He is a Senior Advisor with Stellar Solutions, Inc.; has published articles and participated in numerous panel discussions, as well appeared on National Public Radio, as an air and missile defense subject matter expert.

His final active duty assignment was as Director of Strategy, Policy & Plans (J5) at the North American Aerospace Defense Command and United States Northern Command (NORAD-USNORTHCOM), where he was responsible for the development of: strategy, policy, plans, and requirements to provide for the security and defense of the United States’ and Canadian airspace; and for the development of strategy, policy, and deliberate plans for: defense of the United States; support to US-civil authorities; and security cooperation with Mexico and The Bahamas.

His general officer command experiences include: Commanding General of the 32<sup>nd</sup> Army Air and Missile Defense Command; Deputy Commanding General of the US Army Northern Command/Fifth US Army; and Deputy Commanding General of the US Army Air Defense Center & Fort Bliss, TX.

General Mahon’s key staff assignments include: Director for Test, The Missile Defense Agency; Director-Army Quadrennial Defense Review Office, Army Staff-G8; Director of Materiel, Army Staff-G8; and Missile Defense Planner, Joint Staff-J8.

General Mahon currently resides in Lewes, Delaware – The First State’s - First Town!



## Richard P. De Fatta

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### Acting Director, Future Warfare Center USASMDC/ARSTRAT

Richard P. De Fatta joined USASMDC/ARSTRAT and the Senior Executive Service in 2013 and has more than 38 years of professional leadership experience, in both government and contractor positions, with 34 years specific to acquisition: development, testing, production, fielding, sustainment, and Life Cycle support of major weapons systems and emerging technologies. Significant programs include: Pershing II, Laser Countermeasure Weapons, Combat Vehicle Survivability, Kwajalein Missile Range, Medium Extended Air Defense System, STINGER, Sentinel Radar, Surface Launched AMRAAM, Mobile Tactical High Energy Laser, JLENS, Integrated Fire Control, BMDS systems and testing, and Targets and Countermeasures. Mr. De Fatta currently serves as the Acting Director, Future Warfare Center, USASMDC/ARSTRAT, responsible for Space and Global Ballistic Missile Defense Doctrine and Training, Concept Developments, Decision Support, and the TRADOC Capability Managers for Space and High Altitude and Global Ballistic Missile Defense. He previously served as the acting Technical Center Director and Air and Missile Defense Director; responsible for developing

technology and providing support in the areas of directed energy, interceptors, research and advanced concepts, space, advanced hypersonic weapons and the Reagan Test Site.

He retired from the Army as a colonel in 2005 and spent more than seven years in senior contractor positions providing systems engineering, integration, test, program management, and technical support to Department of Defense programs responsible for the development, production, and fielding of missile defense weapon systems.

Mr. De Fatta's previous military assignments include: project manager, Cruise Missile Defense Systems (formerly SHORAD), Program Executive Office for Missiles and Space; chief of staff to the Assistant Secretary of the Army for Acquisition, Logistics, and Technology; product manager for the U.S. Medium Extended Air Defense System, Program Executive Office for Air and Missile Defense; director, Kwajalein Missile Range, U.S. Army Space and Missile Defense Command/Army Forces Strategic Command; product manager, Combat Vehicle Signature Management Program, Program Executive Office for Armored Systems Modernization; PEO Air Defense liaison officer for Europe; Laser Countermeasure program manager, Directed Energy Directorate, U.S. Army Missile Command Research Development Engineering Center; and Research and Development coordinator, Pershing Project Office.

Mr. De Fatta graduated in 1978 from the U.S. Military Academy with a Bachelor of Science in engineering and later earned a Master of Science in engineering physics from the Air Force Institute of Technology and a Master of Science in systems management from the Florida Institute of Technology. He attended the U.S. Army War College and U.S. Army Command and General Staff College. A member of the Army Acquisition Corps since its inception, he completed the Executive PM, Advanced PM, and Military Acquisition Management courses, and is level III certified in program management.

During his military career, Mr. De Fatta received the Distinguished Service Medal, Legion of Merit (two oak leaf clusters), Meritorious Service Medal (three oak leaf clusters), Army Commendation Medal (three oak leaf clusters), the Army Achievement Medal, Army Staff Identification Badge, and Parachutist Badge.

He and his wife have been married for more than 33 years and have a son and daughter.





## Colonel Joseph P. DeAntona

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Joseph P. DeAntona is vice president and business development executive for Integrated Air and Missile Defense (IAMD), Business Development & Strategy, Integrated Defense Systems (IDS). In his current role, DeAntona is responsible for developing customer-focused marketing strategies and the growth of domestic and international markets.

Raytheon Company, with 2016 sales of \$24 billion and 63,000 employees, is a technology and innovation leader specializing in defense, civil government and cybersecurity solutions. With a history of innovation spanning 95 years, Raytheon provides state-of-the-art electronics, mission systems integration, C5I™ products and services, sensing, effects, and mission support for customers in more than 80 countries. [Raytheon](#) is headquartered in Waltham, Massachusetts. Follow us on Twitter [@Raytheon](#).

In his prior role, DeAntona served as director of business development for Integrated Air and Missile Defense (IAMD). In this role Joe was responsible for all international customers in the Middle East and North Africa spanning Patriot, NASAMS, HAWK, HAWK XXI and Sustainment.

DeAntona joined Raytheon after a distinguished 30-year career with the US Army. Prior to joining Raytheon, Joe supported the Fires Center of Excellence and other Department of Defense clients while serving as the Vice President of TDRS, LLC.

Since joining the Raytheon team, Joe has led the business development opportunities for Patriot AESA, NASAMS and the Sustainment enterprise worth over \$6 Billion.

DeAntona's professional education includes the US Army Command and General Staff College, the US College of Naval Command and Staff and the US Army War College.

Additionally, he earned a B.S. degree from the US Military Academy, an M.S. degree from the University of Illinois, Champaign-Urbana, Illinois, and M.A. degrees from both the US Naval War College and the US Army War College.

DeAntona's operational deployments include Operation Desert Shield/Desert Storm, Saudi Arabia; Operations Noble Safeguard/Flexible Resolve/Shining Presence, Israel; Operation Southern Watch/Desert Spring, Saudi Arabia/Kuwait; Operation Iraqi Freedom, Kuwait/Iraq; and Operation Enduring Freedom, Qatar, Bahrain, UAE, Kuwait, Iraq and Afghanistan. Joe has over five years of experience with NATO in Europe and two years in the Asia-Pacific region.

Joe volunteers as a West Point Admissions Office field force recruiting team member. Additionally, he serves on the Board of Advisors for the nonprofit Youth Impact Program whose mission is to provide immersive and positive leadership experiences for underprivileged youth through STEM education and organized athletics.

DeAntona is married to the former Lisa Lawson of St. Charles, Missouri. They have two children and three grandchildren.

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## Brigadier General Sean A. Gainey

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Brigadier General Sean A. Gainey graduated from Georgia Southern University in 1990 and was commissioned as a Second Lieutenant in the Air Defense Artillery. His professional military education includes the Air Defense Officer Basic and Advanced Courses, Command and General Staff College (CGSC), and Senior Service College at the Dwight D. Eisenhower School for National Security. He holds a Bachelors in Business Administration, an MS in Personnel Management from Central Michigan University and an MS in National Security and Resource Strategy from the Dwight D. Eisenhower School for National Security.

Brigadier General Gainey's first duty assignment was in 5th Battalion, 2nd Air Defense Artillery, Bamberg, Germany where he served as a Chaparral/Stinger Platoon Leader, Avenger Battery Executive Officer and Assistant Operations Officer.

He was then assigned to 3rd Battalion, 43rd Air Defense Artillery, Fort Bliss, Texas, where he served as an Assistant Operations Officer and Commander of Charlie Battery. While in command, he deployed his battery to Bahrain in support of Operation Southern Watch. He was then assigned to the Combat Maneuver Training Center, Hohenfels, Germany where he served as an Air Defense Artillery Observer Controller and G3 Plans Officer. He was later assigned to 5th Battalion, 7th Air Defense Artillery where he served as the Battalion Executive Officer and deployed in support of Operation Iraqi Freedom I. Brigadier General Gainey then served as the Brigade Operations Officer for 69th Air Defense Artillery Brigade.

Brigadier General Gainey was then assigned to the United States Army Human Resources Command, Alexandria, Virginia, where he served as the Lieutenant Colonel Assignment Officer and Executive Officer to the Director of Officer Personnel Management Directorate.

He commanded 5th Battalion, 7th Air Defense Artillery, Kaiserslautern, Germany. While in command, he deployed his battalion in support of Joint Task Force East. Following command, he served as the Chief of Air and Missile Defense Division, United States Army Europe.

Brigadier General Gainey commanded 108th Air Defense Artillery Brigade at Fort Bragg, NC. During his command he deployed his brigade in support of Operation Enduring Freedom. Following command, he served as the Chief, Global Force Management Division, Joint Staff, J3, Joint Operations Division. Brigadier General Gainey's previous assignment was as the Deputy Commanding General for the United States Army Cadet Command, Fort Knox, Kentucky.

Awards and decorations include the Defense Superior Service Medal, Legion of Merit, Bronze Star Medal, Meritorious Service Medal (w/4 OLCs), Army Commendation Medal (w/3 OLCs), Joint Service Achievement Medal, Army Achievement Medal (w/1 OLC), Air Force Achievement Medal, Meritorious Unit Citation, and Parachutist Badge.



## COL Robert W. Lyons

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COL Robert W. Lyons graduated from the United States Military Academy in 1990 and was commissioned into the Regular Army as an Air Defense Artillery officer. COL Lyons is currently serving in the Missile Defense Agency as the Director, Warfighter Strategic Integration (MDA/DDW).

COL Lyons has served in numerous operational Air Defense units, on the Army Staff, and on the Joint Staff. He began his career as a Stinger Platoon Leader and Battery Executive Officer in 4th Battalion, 3d Air Defense Artillery, 3d Infantry Division (Mechanized) Kitzingen, Germany. From 1994 to 1995, he was assigned to the 1st Infantry Division (Mechanized), Fort Riley, Kansas, where he worked on the Division staff. In 1995, he was assigned to the 24th Infantry Division (Mechanized) where he served as the Assistant Battalion S-3 (Plans) in 1st Battalion, 5th Air Defense Artillery, Fort Stewart, Georgia. As the 24th ID(M) re-flagged to 3d Infantry Division (Mechanized), COL Lyons assumed command of A Battery, 1st Battalion, 3d Air Defense Artillery, a Bradley Stinger Fighting Vehicle (BSFV) battery, in May 1996 and served in that capacity until December 1997.

From 1998 to 2000, COL Lyons served as an action officer and Executive Assistant to the Director, Joint Theater Air and Missile Defense Organization (JTAMDO), Joint Chiefs of Staff, J-8, Washington, DC. In November 2000, he was assigned to Fort Bliss, Texas where he served as the Assistant Brigade S-3 (Plans), 108th Air Defense Artillery Brigade, XVIII Airborne Corps until March 2001. In April 2001, he was assigned as the S-3, 2nd Battalion, 43rd Air Defense Artillery, 108th ADA Brigade and served in that capacity until June 2002. From June 2002 to June 2003, he served as the Brigade S-3, 108th ADA Brigade. During this time, the Brigade deployed to Kuwait/Iraq for Operation Iraqi Freedom (OIF) and supported 1st Marine Expeditionary Force (I MEF). From July 2004 to May 2007, COL Lyons served on the Army Staff as the Patriot Synchronization Staff Officer (SSO) and Executive Officer in the Deputy Chief of Staff, G-8, Force Development Directorate, Air and Missile Defense and Space Division (G-8 FDE).

From June 2007 to August 2009, COL Lyons commanded the 3d Battalion (Airborne), 4th Air Defense Artillery Regiment located at Fort Bragg, North Carolina. Following battalion command, he served as the U.S. Army Central (ARCENT) Deputy Chief for Air and Missile Defense, forward deployed at the command's Operational Command Post (OCP), Camp Arifjan, Kuwait. Upon completion of his tour in ARCENT, he was assigned back to the Army Staff where he served as the Chief of Operations within the Directorate of Materiel (DOM), Force Development Directorate, G-8. Upon selection for promotion to COL, COL Lyons was selected to serve as the Director of the Air and Missile Defense Directorate (DAMO-AMD) within HQDA G-3/5/7 from June 2011 to September 2013. Most recently, COL Lyons served as the Chief of Staff (2013-2014) and Deputy Commander (2014-2016) of the 94th Army Air and Missile Defense Command (AAMDC), Joint Base Pearl Harbor-Hickam (JBPHH).

COL Lyons' military education includes the Air Defense Artillery Officer's Basic Course, the Infantry Officer's Advanced Course, the Combined Arms and Services Staff School and the College of Naval Command and Staff. COL Lyons holds a Master of Arts in National Security and Strategic Studies from the Naval War College, Newport, Rhode Island. He is also a graduate of the 82nd Airborne Division Advanced Airborne School Jumpmaster Course.

COL Lyons' military awards and decorations include the Legion of Merit (1 OLC), the Bronze Star Medal (1 OLC), the Defense Meritorious Service Medal, the Meritorious Service Medal (2 OLC), the Army Commendation Medal (6 OLC), the Joint Service Achievement Medal, the Army Achievement Medal (3 OLC), the Joint Staff Identification Badge, the Army Staff Identification Badge, and the Parachutist Badge. He has also earned Chilean and German (Bronze) foreign jump wings.

COL Lyons is married to the former Crystal Holmberg of Annandale, Virginia. Along with their three children, Moriah, Matthew, and Sarah, the Lyons' are proud to serve as an Army Family.



# Biography

Department of the Army



**Daniel (Dan) M. Klippstein**  
Deputy Director, Army Plans and Policy  
and  
Director, US Army Nuclear and Countering WMD  
Agency  
Headquarters, Department of the Army  
Washington, DC



Mr. Dan Klippstein assumed his current position in March 2013. He serves as Deputy Director of Army Strategy, Plans and Policy Directorate where he develops the Department of the Army strategic policies and plans to influence National and Defense strategies and to generate Army development of major activities and programs.

Concurrently, he serves as the Director of the US Army Nuclear and Countering WMD Agency (USANCA). USANCA is a Department of the Army Field Operating Agency charged to provide nuclear and countering Weapons of Mass Destruction planning, execution and CBRN effects expertise in direct support of the Geographic Combatant Commands, the Defense Threat Reduction Agency, and the Army Operational Commands requirements.

## CAREER CHRONOLOGY:

- May 2012-March 2013: Director, Washington Office, US Army North/Fifth Army, Washington, D.C.
- Dec 2011-May 2012: Chief, Multinational Strategy and Programs, Office of the Deputy Chief of Staff G3/5/7, Headquarters Department of the Army, Washington, D.C.(Retired at the rank of Colonel after more than 30 years of active duty)
- Sep 2011 – Nov 2011: Executive Officer to the Commander, NATO Training Mission-Afghanistan
- Sep 2010 – Sep 2011: Director, Commander's Action Group, NATO Training Mission-Afghanistan
- Apr 2008 – Sep 2010: Chief, Strategy Development Division, Office of the Director, Plans, Policy and Strategy (J5), The Joint Staff, Washington, D.C.
- Jun 2005 – Apr 2008: Chief, Strategy, Doctrine and Concepts Division, Office of the Deputy Chief of Staff G3/5/7, Headquarters Department of the Army, Washington, D.C.
- Jan 2005 – Jun 2005: Chief of Staff, Office of the Deputy Chief of Staff Strategy, Plans and Assessments, Multi-National Force-Iraq
- Apr 2004 – Dec 2004: Strategist, Office of the Deputy Chief of Staff Strategy, Plans and Assessments, Multi-National Force-Iraq

**COLLEGE:**

- MA (Strategic Studies), US Army War College, Carlisle, Pennsylvania, 2003
- MA (Management), Webster University, Fort Leonard Wood, Missouri, 1993
- BA (Business Administration), Western Illinois University, Macomb, Illinois, 1982

**SIGNIFICANT TRAINING:**

- National Security Professionals Course, Foreign Service Institute, 2009
- Joint Professional Military Education Phase II, 2008
- National Security Managers Course, Maxwell School of Citizenship and Public Affairs, Syracuse University, 2006
- Air Command and Staff College, Montgomery, Alabama, 1998

**AWARDS AND HONORS:**

- Defense Distinguished Service Medal
- Legion of Merit (with 2 Oak Leaf Clusters)
- Bronze Star (with Oak Leaf Cluster)
- Defense Meritorious Medal
- Meritorious Service Medal (five Oak Leaf clusters)
- Superior Civilian Service Award
- The Order of the Archangel Gabriel of the U.S. Military Strategists Association

**PROFESSIONAL MEMBERSHIPS AND ASSOCIATIONS:**

- Association of the United States Army
- Association of U.S. Military Strategists

**MAJOR PUBLICATIONS:**

- *Homeland Security: The Department of Defense, The Department of Homeland Security and Critical Vulnerabilities.* Strategic Studies Institute; U.S. Army War College, Carlisle, PA (2003)



**Howard B. Bromberg**

Vice President,  
Strategy and Business Development,  
Integrated Air and Missile Defense

Howard Bromberg is currently the Vice President for Strategy and Business Development, Integrated Air and Missile Defense for Lockheed Martin Corporation. In October of 2014 he completed 37 years in the United States Army serving as a Lieutenant General.

Mr. Bromberg hails from California and was commissioned as an Air Defense Artillery officer in the U.S. Army upon graduation from the University of California at Davis in 1977. He holds a bachelor's degree in Agricultural Economics and Management.

He has served in Army units in the United States, Germany, Korea and Southwest Asia. He commanded at every level from platoon to installation including Ft Bliss, Texas and the 32d Army Air and Missile Defense Command during Operation Iraqi Freedom.

Most recently he served as the U.S. Army's Deputy Chief of Staff, G-1 responsible for developing, managing, and executing manpower and personnel plans, programs, and policies for the total Army. Prior to this assignment, he served as the Deputy Commanding General/Chief of Staff, U.S. Army Forces Command, the Chief of Staff, U.S. Strategic Command, and the Commanding General of Fort Bliss and the Air Defense Artillery Center.

Mr. Bromberg serves on the Advisory Board for American Corporate Partners, a not for profit company that provides corporate mentorship for transitioning service members.





## **COL Carolyn S. Birchfield**

### **Fires Division Chief, Army Staff, G8/Force Development**

COL Carolyn S. Birchfield is the Fires Division Chief, Army Staff, G8/Force Development. She is a Distinguished Military Graduate of the University of Colorado-Boulder graduating with a degree in Political Science and a commission in 1989. She has served in a variety of command and staff assignments, both in the United States and overseas. Most recently, she served as the Director of Operations, J3 at the Joint Functional Component Command for Integrated Missile Defense.

Her operational assignments include having served as a Platoon Leader and Battery Executive Officer with the 8<sup>th</sup> Battalion, 43<sup>rd</sup> Air Defense Artillery, located in Giebelstadt, Germany. She deployed in support of Operations Desert Shield/Desert Storm. Upon the unit's deactivation, she moved to Ansbach, Germany as a Tactical Director with the 6<sup>th</sup> Battalion, 43<sup>rd</sup> Air Defense Artillery. After returning to the United States and attending the Advanced Course, she deployed to Southwest Asia to join the 2<sup>nd</sup> Battalion, 7<sup>th</sup> Air Defense Artillery as a Tactical Director. Following her return, her next assignment was as the Battalion S4 where she deployed to Korea helping to establish a permanent presence on the peninsula. While in command of E Battery, 2<sup>nd</sup> Battalion, 7<sup>th</sup> Air Defense Artillery, her battery deployed to the Kingdom of Saudi Arabia. Following battery command, she was assigned to the Space and Missile Defense Command Battle Lab, in Colorado Springs.

Following attendance at the Command and General Staff College, she was assigned as the Assistant Division Air Defense Officer and Battalion S3 for the 1<sup>st</sup> Battalion, 4<sup>th</sup> Air Defense Artillery Regiment,

1<sup>st</sup> Armored Division, Wiesbaden, Germany. She deployed to Baghdad, Iraq in support of Operation Iraqi Freedom 2. Returning from Germany, she was assigned to the 31<sup>st</sup> Air Defense Artillery Brigade. While assigned to the Brigade, she served as the Battalion Executive Officer for 3<sup>rd</sup> Battalion, 2<sup>nd</sup> Air Defense Artillery, the Brigade Operations Officer, the Deputy Commander and, finally, as the 3-2 ADA Battalion Commander. While in command, the Battalion deployed to Korea for a 1-year mission beginning in April 2008 returning in May 2009 to Ft. Bliss with subsequent relocation to Ft. Sill as part of the BRAC movement. Following Battalion command, she served as the Air Defense Branch Chief as part of Human Resources Command prior to its move to Ft. Knox. Following graduation from the National War College, she deployed as the Deputy Area Air Defense Commander OIC for the 32<sup>nd</sup> Army Air and Missile Defense Command located forward at Al Udeid, Airbase in Qatar. Following her deployment, she served as 402<sup>nd</sup> Field Artillery Brigade Commander, First Army.

COL Birchfield holds a Master of Arts in Space Systems Management from Webster's University and a Master of Science in National Security and Strategic studies from the National War College. Her awards and decorations include the Defense Superior Service Medal, Legion of Merit, Bronze Star Medal (1 Oak Leaf Cluster), the Meritorious Service Medal (1 Silver Oak Leaf), the Army Commendation Medal (3 Oak Leaf Clusters), the Army Achievement Medal (4 Oak Leaf Clusters), the Global War on Terrorism Expeditionary Medal, the Global War on Terrorism Service Medal, the Kuwaiti Defense Service Medal and the Southwest Asia Service Medal. Her badges include the Parachutist Badge, Air Assault and the Space Badge (Basic).



# Colonel Greg Brady

Chief, Fires Division  
Army G-3/5/7, DAMO-SS

Colonel Greg Brady currently serves as the Chief, Fires Division within the Headquarters Department of the Army, Assistant Deputy Chief of Staff, G-3/5/7, Strategy, Plans and Policy Directorate.

Colonel Brady entered the active Army in 1991 after graduating from U.S. Military Academy with a Bachelor of Science degree. He also holds a Master of Arts degree from The Catholic University of America in International Relations and Master of Arts degree in Military Studies from the U.S. Marine Corps Command and Staff College.

His military education includes: Air Defense Artillery Officer Basic and Advanced Courses, Airborne School, Ranger School, the U.S. Marine Corps Command and Staff College, the Joint and Combined Warfighting School, and was selected as an U.S. Army War College Fellow to the George C. Marshall European Center for Security Studies in Garmisch-Partenkirchen, Germany.



Over the last 10 years, he served in the following key command and developmental assignments: Deputy Commanding Officer, 32<sup>nd</sup> Army Air and Missile Defense Command (32AAMDC), US Army Forces Command (FORSCOM), Fort Bliss, Texas; Commander, 10th Army Air & Missile Defense Command, U.S. Army Europe (USAREUR), U.S. European Command, Kaiserslautern, Germany; Operations and Plans Division Chief, Officer Personnel Management Directorate (OPMD), Human Resources Command (HRC), Fort Knox, Kentucky; Commander, 5<sup>th</sup> Battalion, 52<sup>nd</sup> Air Defense Artillery, 11<sup>th</sup> Air Defense Artillery Brigade, Fort Bliss, Texas; Deputy Division Military Transition Team Chief, 3rd Iraqi Army Infantry Division, Al Kasik, Iraq and Chief, Officer Education System, U.S. Army Air Defense Artillery School, US Army Training and Doctrine Command (TRADOC).



**Archer M. Macy**  
RADM, USN(Ret)

Archer Macy is a consultant on national defense and homeland security issues, particularly in the areas of integrated air and missile defense strategy, systems and programs. He participates in related discussions on defense strategies and policies, operational requirements and planning, and research and development and acquisition program management.

In 2011, he retired from active naval service which included senior executive positions, major acquisition program management, technical assignments in weapon systems research and development, and service on various ship types. He is a graduate of the University of Washington (B.S. in Aeronautics and Astronautics), the Naval Postgraduate School (M.S. in Aeronautical Engineering) and the Naval War College (M.A. (with distinction) in National Security and Strategic Studies). He is also a graduate of the Defense Systems Management College and was a designated Acquisition Professional.

As a Surface Warfare Officer, he served at sea aboard multiple ships, including in command of a destroyer, and deployed to all the major maritime operational theaters. On shore, he served on the Navy staff, as well as in the program offices for Cruise Missiles, the Aegis Combat System, and the Navy Area Theater Ballistic Missile Defense Program. He was the program manager for Surface Electronic Warfare Systems and Decoys, and subsequently worked in the Program Executive Office for Integrated Warfare Systems.

Rear Admiral Macy commanded the Naval Surface Warfare Center (NSWC), responsible for ten major geographic locations, over 14,000 employees and a \$4 billion dollar annual revenue stream. NSWC provides technical expertise in R&D, engineering and life cycle support for all USN surface ships and combat systems. He also served as the Naval Sea Systems Command deputy commander for warfare systems engineering.

His last assignment was on the Joint Staff, where he was the Director of the Joint Integrated Air and Missile Defense Organization (JIAMDO), as well as the Deputy J-8 for force protection matters.

After his Navy service he was a member of Cypress International, Inc., a defense consulting firm focused on assisting industry in doing business with the DoD. He recently retired to be an independent consultant on topics including IAMD, naval surface warfare, and acquisition program management.



# BRIGADIER GENERAL TIMOTHY J. SHERIFF

## Commander

### 263<sup>rd</sup> Army Air & Missile Defense Command

Brigadier General Timothy J. Sheriff is currently assigned as the Deputy Commanding Officer, 263d Army Air and Missile Defense Command and subordinate units. The 263d Army Air and Missile Defense Command serves as the supporting command for Army Air Defense missions within the Northern Regional Air Defense/Northern Command Area of Operations to include the National Capital Region Integrated Air Defense System and the Deployable Integrated Air Defense System.

Brigadier General Tim Sheriff is a native of Seneca, South Carolina. He is a graduate of Clemson University where he earned a Bachelor's Degree in Industrial Education. He graduated from the Palmetto Military Academy in 1986 and was commissioned as a Second Lieutenant in the South Carolina Army National Guard. Brigadier General Sheriff also holds a Master of Military Science from the U.S. Army War College. Brigadier General Sheriff's military education includes the Air Defense Artillery Officer Basic and Advance Courses, NBC Qualification Course, Combined Arms and Services Staff School, Command and General Staff College, US Army War College, Joint Air Defense Tactical Director Certification Course, Pre-command Course, Joint Firepower Course, and Joint Task Force and Dual Status Commander Qualification Courses. Brigadier General Sheriff started his military career in 1980 where he has served in the following capacities: Duster Crewman, Platoon Leader, Battery Executive Officer, Battery Commander, ADA Tactical Operations Officer, Battalion S-3, Battalion Executive Officer, Intelligence Officer, Senior ADA Coordination Officer, Battalion Commander, DCoS G-3 AAMDC, Senior Operations Officer, and Deputy Commander. BG Sheriff currently serves as the Commander for the 263d AAMDC and DCG ARNG ADA FCoE.

#### EDUCATION:

1989 Tri-County Technical College, Associates of Arts, Pendleton, South Carolina

1994 Clemson University, Bachelors of Science, Industrial Education, Clemson, South Carolina

2008 United States Army War College, Master of Science, Strategic Studies, Carlisle Barracks, Pennsylvania

#### ASSIGNMENTS: ARNG – Not on Active Duty

1. August 1986 - July 1989, Platoon Leader, Battery C, 2-263d ADA Battalion, Clemson, SC
2. July 1989 – September 1991, Executive Officer, Battery C, 2-263d ADA Battalion, Clemson, SC
3. September 1991 – January 1992, Assistant ADA TAC Operations Officer, HHB, 2-263d ADA Battalion, Anderson, SC
4. January 1992 – August 1994, Commander, Battery C, 2-263d ADA Battalion, Clemson, SC
5. August 1994 – September 1996, Assistant S-3, HHB, 2-263d ADA Battalion, Anderson, SC
6. October 1996 – February 1999, S-3, HHB, 2-263d ADA Battalion, Anderson, SC
7. March 1999 – February 2000, Executive Officer, 1-263d ADA Battalion, Columbia, SC
8. March 2000 – June 2001, Executive Officer, 2-263d ADA Battalion, Anderson, SC
9. June 2001 – September 2001, Liaison Officer, 263d AAMDC, Anderson, SC
10. November 2001 – March 2002, Intelligence Officer, 263d AAMDC, Anderson, SC
11. April 2001– November 2002, Assistant Air Defense Coordinator, 263d AAMDC, Anderson, SC
12. December 2002 – August 2004, Senior Air Defense Coordinator / Management Officer, 263d AAMDC, Anderson, SC
13. September 2004 – May 2006, Commander, HHB 1 BN 263d ADA, Columbia, SC
14. June 2006 – November 2008, Deputy G-3, 263d AAMDC, Anderson, SC
15. November 2008 – February 2014, Assistant Chief of Staff – G3, 263d AAMDC, Anderson, SC
16. February 2014 – August 2017, Deputy Commanding General, 263d AAMDC, Anderson, SC
17. May 2015 – January 2018, Deputy Commanding General ARNG ADA, United States Army Center of Excellence, Fort Sill, OK
18. August 2017 – Present, Commanding General, 263d AAMDC, Anderson, SC

**ASSIGNMENTS: ARNG – On Active Duty**

19. November 2001 – January 2002, Air Defense Officer, 263d AAMDC NET/NEF, Fort Bliss, TX
20. January 2002 – July 2004, Air Defense Officer ISO Operation Noble Eagle, 263d AAMDC, Anderson, SC
21. November 2004 – October 2005, Battalion Commander, 1-263 ADA BN, Camp Arifjan, Kuwait
22. November 2007 – May 2008, Deputy Task Force Commander, National Capital Region Integrated Air Defense Mission, Washington, District of Columbia
23. February 2010 – February 2014, TRO/TRA OIC, TF Commander, D-IADS, Minimum Deployment Package Commander, Anderson, SC

**AWARDS AND DECORATIONS: Bronze Star Medal**

- Meritorious Service Medal (with 3 Bronze Oak Leaf Clusters)
- Army Commendation Medal (with 1 Silver Oak Leaf Cluster and 2 Bronze Oak Leaf Clusters)
- Joint Service Achievement Medal
- Army Achievement Medal (with 4 Bronze Oak Leaf Clusters)
- Army Reserve Components Achievement Medal (with 1 Silver Oak Leaf Cluster and 3 Bronze Oak Leaf Clusters)
- National Defense Service Medal (with 1 Bronze Service Star)
- Global War on Terrorism Service Medal
- Global War on Terrorism Expeditionary Medal
- Overseas Ribbon
- Armed Forces Reserve Medal (with Silver Hourglass Device and M Device)
- Korean Defense Service Medal
- NCO Professional Development Ribbon
- Army Service Ribbon
- Meritorious Unit Citation
- Reserve Components Overseas Training Ribbon (with 1 Bronze Oak Leaf Cluster)
- South Carolina Meritorious Service Medal
- South Carolina Achievement Ribbon (with 1 Bronze Oak Leaf Cluster)
- South Carolina Mobilization Ribbon
- South Carolina Active State Service Medal (with 2 Silver Stars)
- South Carolina Governor's Unit Citation

**EFFECTIVE DATES OF PROMOTION:**

- Second Lieutenant, ARNG 15 August 1986
- First Lieutenant, ARNG 14 August 1989
- Captain, ARNG 02 April 1992
- Major, ARNG 05 June 1997
- Lieutenant Colonel, ARNG 28 March 2003
- Colonel, ARNG 11 December 2007
- Brigadier General, ARNG 25 September 2015





# K E N N E T H T O D O R O V

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Director  
Global Air and Missile Defense  
Missile Defense and Protective Systems  
Northrop Grumman Mission Systems

Kenneth “Kenn” Todorov is the Director of Global Air and Missile Defense for the Missile Defense and Protective Systems division within the Northrop Grumman Mission Systems sector. He is responsible for strategic planning, capture program management and sales growth in the international arena for Integrated Air and Missile Defense (IAMD) Command, Control, Communications, Computers, and Intelligence (C4I) systems. His responsibilities also include leading the division’s business development activities related to the U.S. Missile Defense Agency.

Before joining Northrop Grumman, Kenn concluded a 30 year career of service in the United States Air Force retiring in the rank of Brigadier General. He most recently served as the deputy director of the Missile Defense Agency (MDA), Office of the Secretary of Defense, and advised the director of the MDA in the fielding of the Ballistic Missile Defense System (BMDS), providing leadership of critical aspects of worldwide operational missile defense systems. As a general officer, Kenn also directed the Department of Defense’s Joint Integrated Air and Missile Defense Organization, and held key leadership positions at United States Northern Command and North American Aerospace Defense Command.

During his Air Force career, Kenn served as a Combat Search and Rescue and Special Operations pilot at a number of locations and assignments around the world. From 2007 to 2009 he commanded the Air Force’s “Flying Tigers,” where he led 6,200 people, and was responsible for organizing, training, and equipping airmen for combat operations in Iraq, Afghanistan, and the Horn of Africa.

He holds a bachelor’s degree from Siena College as well as master’s degrees in business administration from the National University, national security from the Naval War College and strategic studies from the Air War College. Kenn is also a non-resident expert in the national security and missile defense projects at the Center for Strategic and International Studies in Washington, D.C.

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in autonomous systems, cyber, C4ISR, and logistics and modernization to government and commercial customers worldwide. Please visit [www.northropgrumman.com](http://www.northropgrumman.com) for more information.

**Richard P. Formica**

Lieutenant General (USA-Ret.)

Vice President, Strategic Accounts – Calibre

Lieutenant General Richard P. Formica, US Army, Retired, connects defense and other government clients' needs to CALIBRE capabilities; contributes to the development and implementation of CALIBRE's corporate strategic plan and market assessments; orchestrates and directs implementation of CALIBRE's space and missile defense business plan; supports the company's regional business development efforts; and provides leadership and oversight to CALIBRE's force management and leader development service offerings. He represents CALIBRE in various government and business forums.

General Formica joined CALIBRE in June 2014 after 36 years of service in the U.S. Army. He is a career field artillery/fire support officer with experience in leadership, operations, and training. He has senior executive level experience in force management and space and missile defense. He served as the Commanding General, Combined Security Assistance Command – Afghanistan; Joint Fires and Effects Coordinator/Force Field Artillery Commander in Multi-National Corps – Iraq; Deputy Director Political – Military Affairs (NATO/Europe) on the Joint Staff; and as the Director of Force Management for the U.S. Army. His final assignment was as the Commanding General, U.S. Army Space and Missile Defense Command and U.S. Strategic Command's Joint Functional Component Command for Integrated Missile Defense.

General Formica received a Bachelor of Science Degree in Law Enforcement from Bryant University in Smithfield, Rhode Island; a Master's Degree in Military Arts and Science from the U.S. Army Command and General Staff College; and a Master's Degree in National Strategic Studies from the National War College.





## Command Sergeant Major Finis A. Dodson

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**Air Defense Artillery School, Fort Sill, Okla.**

Command Sergeant Major Finis A. Dodson, is a native of Olive Branch, Mississippi. He enlisted in the Army on 27 November 1987. He completed Basic Training and Advanced Individual Training at Fort Bliss, Texas.

CSM Dodson's duty positions and assignments include Stinger Crew Member, Fort Bliss, TX; Tactical Control Assistant, Squad Leader and Senior Maintenance Mechanic, 5-7 ADA, Bitburg Germany; Instructor/Writer, 3-6 ADA, Fort Bliss, TX; Platoon Sergeant, 1-43 ADA, ROK; ANCOG Instructor, Senior Small Group Leader, Operations Sergeant, and Chief of WLC, Fort Bliss NCO Academy; First Sergeant, 1-43 ADA, ROK; First Sergeant HHB, 31st ADA BDE; Fort Bliss, TX; Air Defense Master Evaluator and Operations Sergeant Major, 31st BDE, Fort Bliss, TX; and S2 Sergeant Major, 108th ADA BDE, Fort Bliss, TX; Operations Sergeant Major, 3-43 ADA, Fort Bliss, TX; Command Sergeant Major of 1-1 ADA in Okinawa, Japan; Command Sergeant Major of 69th ADA (Lightning) Brigade, Fort Hood, TX, and Command Sergeant Major of 35th ADA (Dragon) Brigade, ROK.

CSM Dodson awards and decorations include the Bronze Star Medal, Legion of Merit Medal(1 OLC), Meritorious Service Medal (3 OLC), Army Commendation Medal (4 OLC), Army Achievement Medal (3 OLC), Army Superior Unit Award, Army Good Conduct Medal (6th Award), National Defense Service Medal, Korean Defense Service Medal, Southwest Asia Service Medal, NCO Professional Development Ribbon (Numeral 4), Army Service Ribbon, Overseas Ribbon (4th Award), Kuwait Liberation Medal (Saudi Arabia), Kuwait Liberation Medal (Kuwait), and Global War on Terrorism Medal.

CSM Dodson military education includes Warrior Leaders Course (WLC), Advance Leaders Course (ALC), Senior Leaders Course (SLC), Small Group Instructor Course, Instructor Training Course, Advanced Army Catalog Course, Equal Opportunity Course, Alcohol and Drug Abuse Prevention Course, First Sergeant Course, Sergeants Major Academy Class 56, CSM/SGM Executive Education Course (USAWC), United States Army Force Management Course and Keystone Course (14-2).

CSM Dodson civilian education includes a Master's Degree (Summa Cum Laude) in Education from TOURO University. He also holds a Bachelors Degree from Excelsior College (Magna cum laude) and an Associate's Degree from El Paso Community College.



## COLONEL MARK A. HOLLER

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Colonel Mark A. Holler is currently serving as Executive Officer to the Army Inspector General. His prior assignment was Commander, 35th Air Defense Artillery Brigade in Korea from June 2015 to June 2017.

A native of Florida, COL Holler graduated from the University of North Florida in 1992 as a ROTC Distinguished Military Graduate and was commissioned into the Air Defense Artillery Corps. His military education includes the Air Defense Artillery Officer Basic Course, Infantry Officer Advanced Course (Distinguished Honor Graduate), US Army Jumpmaster Course, Combined Arms Services Staff School, Air Command and Staff Course, and the Army War College (Distinguished Graduate).

COL Holler's initial assignment was with the 1st Battalion, 5th Air Defense Artillery, 24th Infantry Division, Fort Stewart Georgia as a Vulcan Platoon Leader, Bradley Stinger Fighting Vehicle (BSFV) Platoon Leader, and Battery Executive Officer.

Upon graduation from the Infantry Officer Advanced Course in 1996, COL Holler was assigned to Fort Bragg and served as an Air Defense Fire Coordination Officer in the 1st Battlefield Coordination Detachment, and then as an Assistant S3 and Battery Commander in 3rd Battalion, 4th Air Defense Artillery, 82nd Airborne Division. Following command, he served as an Observer Controller at the Joint Readiness Training Center, Fort Polk Louisiana from 1999 to 2001.

COL Holler returned to Fort Bragg in 2001 and deployed to Afghanistan in 2002, serving as a CJ3 Battle Captain for CJTF-180. In 2003 COL Holler deployed to Kuwait and Iraq where he served as an Army Liaison Officer to the 1st Marine Division during the initial invasion and early occupation phase of Operation Iraqi Freedom (OIF).

After graduating from the Air Command and Staff College in 2005, COL Holler returned to Fort Bragg where he served as the XVIII Airborne Corps G3 Chief of Operations, and then as the Battalion S3 for the 82nd Airborne Division Special Troops Battalion. In 2007 he deployed to Afghanistan and served as a maneuver Brigade Task Force S3 in Regional Command – East. COL Holler then served as the Brigade S3 and Deputy Commanding Officer, 108th ADA Brigade at Fort Bragg from 2008 to 2010.

While stationed at Fort Hood from July 2010 to June 2013, COL Holler commanded 1st Battalion, 44th Air Defense Artillery and served as the Deputy Commanding Officer, 69th ADA Brigade, deploying twice in support of Operation Enduring Freedom.

Following graduation from the US Army War College in 2014, COL Holler was assigned as the ACoS, G3 for the 32d Army Air and Missile Defense Command at Fort Bliss, TX.

COL Holler's awards and decorations include the Legion of Merit (1 OLC), Bronze Star (2 OLC), Meritorious Service Medal (4 OLC), and Joint Service Commendation Medal. His badges include the Ranger Tab, Master Parachutist Badge, and Combat Action Badge.

## W I L L I A M L A M B

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Director, Integrated Air and Missile Defense (IAMD)  
Missile Defense and Protective Systems  
Northrop Grumman Mission Systems

William L. Lamb is the director for the Integrated Air and Missile Defense operating unit in the Missile Defense and Protective Systems (MDPS) division within Northrop Grumman's Mission Systems sector. MDPS provides integrated air, space and missile defense solutions to the Missile Defense Agency and the U.S. Army for the national security of the United States and its allies. In his role, Mr. Lamb has responsibility for the Division's Integrated Air and Missile Defense (IAMD) portfolio of products which includes the transformational Integrated Air and Missile Defense Battle Command System (IBCS) as well as the Joint Tactical Ground Station (JTAGS) programs for the U.S. Army.

Previous to his current role, Mr. Lamb served as director for International Battle Management and Security for the division, where he had responsibility for strategic planning, program management, and sales growth for MDPS in the international arena for Command, Control, Communications, Computers, and Intelligence (C4I) systems.

Prior to joining Northrop Grumman, Mr. Lamb served a 29 year career in the U.S. Army retiring at the rank of colonel. He initially served as a combat arms officer in the Air Defense Artillery and later in multiple duty assignments in Army research, development, and acquisition. His early career included service as a platoon leader and battery commander in short range air defense units in the Federal Republic of Germany and Fort Lewis, Washington.

After completing a graduate degree program, Mr. Lamb entered the U.S. Army Acquisition Corps and served 20 years in critical acquisition assignments encompassing the development, testing, production and fielding of U.S. Army Air and Missile Defense systems. His acquisition experience includes service as a logistics and fielding officer for the AVENGER program; director for operational testing for air and missile defense systems; product manager for the Ground-based Midcourse Defense In-Flight Interceptor Communications System (IFICS); program manager, Ballistic Missile Defense System World-wide Deployment Program Office; and project manager for the Terminal High Altitude Area Defense (THAAD) program.

Bill earned a bachelor of science degree from North Carolina State University and a master's degree in business administration from the University of Alabama. His military education includes a U.S. Army War College Fellowship at the University of Texas and graduation from the Command and General Staff College, Fort Leavenworth, Kansas.

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in autonomous systems, cyber, C4ISR, strike, and logistics and modernization to customers worldwide. Please visit [news.northropgrumman.com](https://news.northropgrumman.com) and follow us on Twitter, [@NGCNews](https://twitter.com/NGCNews), for more information.





# Biography

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## William “Bill” Phillips

Vice President  
Army/SOF/Latin America & Huntsville Customer  
Engagement  
Huntsville Field Marketing Office  
Global Sales & Marketing  
Defense, Space & Security

Bill Phillips is Vice President, Army/Special Operations Forces (SOF)/Latin America and Huntsville Customer Engagement, BDS, Global Sales & Marketing. He is responsible for seven Field Marketing offices supporting Army, Special Forces and Latin America to include: Huntsville, Tampa, Aberdeen Proving Ground, Fort Huachuca, Fort Rucker, Saint Louis and Brasilia (Brazil).

He retired from the U.S. Army on 31 May 2014 as the most senior Army Aviator on active duty. He has 30+ years of aviation and acquisition experience in command & staff positions, and is qualified in CH-47, UH-1, & OH-58. Bill's previous roles included joint assignments with CENTCOM, Defense Logistics Agency and Defense Contract Management Agency. Key acquisition assignments include: Deputy Program Executive Officer for Aviation, 2004 – 2007; Program Executive Officer for Ammunition, 2007 – 2009; and Commander Joint Contracting Command – Iraq and Afghanistan, 2009. He became a Lieutenant General in February 2010 and served as the Military Deputy to the Army Acquisition Executive and Acquisition Advisor to the Chief of Staff, Army and Secretary of the Army.

Bill began his Boeing career in May 2015. He was appointed as Boeing's Representative on the Defense Acquisition University Board of Visitors. He earned a Bachelors of Science, Middle Tennessee State University (MTSU); a Master's of Science in Personnel Management, Troy State University; a Master's of Science in Procurement and Materiel Management, Webster University; and a Master's of Science, Industrial College of the Armed Forces, National Defense University. He is a graduate of the Executive Program Management Course, Defense Acquisition University; and Leadership at the Peak. In 2014 Bill earned an Honorary Doctorate from MTSU and was inducted into the Defense Acquisition University Hall of



## **Chief Warrant Officer Five Gregory A. Young**

### **Senior Patriot Logistics Officer**

**TRADOC Capability Manager – Army Air and Missile Defense Command  
(TCM-AAMDC)**

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Chief Warrant Officer Five (CW5) Gregory A. Young hails from Willoughby, Ohio. He entered the Army in 1987, first serving as a Psychological Operations Specialist and later transitioning to Air Defense as a Patriot Launching Station Enhanced Operator/ Maintainer. CW5 Young was appointed by warrant in 2002 and graduated from the Warrant Officer Basic Course in August 2003 as a Patriot Systems Tactician / Technician. He holds an Associate of Arts in Management from Park University, a Bachelor of Arts in Management from Park University, and a Master of Science in Leadership from the University of Texas at El Paso.

CW5 Young's previous assignments include: Patriot Systems Technician, 1st Battalion 43d ADA, Osan AB, South Korea; Patriot Systems Technician, 1st Battalion 7th ADA, Fort Bliss, TX; Patriot Systems Technician, 4th Battalion 5th ADA, Fort Hood, TX; Battalion Readiness OIC, 2d Battalion 1st ADA, Fort Hood, TX; Air and Missile Defense Advisor, U.S. Military Training Mission, Jeddah, Saudi Arabia; Battalion Readiness OIC, 1st Battalion 62d ADA, Fort Hood, TX; Brigade Support Operations OIC, 69th ADA Brigade, CENTCOM in support of Operation Enduring Freedom; and Brigade Support Operations OIC, 69th ADA Brigade, Fort Hood, TX, where he served through January 2015.

CW5 Young is a graduate of Defense Language Institute German Language Training, Primary Leadership Development Course, Basic Non-Commissioned Officer Course, Warrant Officer Basic Course, Air Defense Artillery Officer Advance Course, and the Warrant Officer Staff Course.

CW5 Young's awards and decorations include the Meritorious Service Medal with two oak leaf clusters, Army Commendation Medal with oak leaf cluster, Army Achievement Medal with four oak leaf clusters, Army Good Conduct Medal, National Defense Service Medal with bronze star, Korean Defense Service Medal, Southwest Asia Service Medal with bronze star, Global War on Terrorism Service Medal, Army Service Ribbon, and Army Overseas Service Ribbon with numeral four, among others. Additionally, he was awarded the Joint Meritorious Unit Award.

CW5 Young is married to the former Renée Terlaak of Olmsted Falls, OH. They have one son, Bailey, currently stationed at Fort Campbell, KY.



# United States Army

Brigadier General JOSEPH W. RANK

**Principal Director to the Deputy Assistant  
Secretary of Defense for Middle East Policy  
Office of the Secretary of Defense  
2400 Defense Pentagon  
Washington, DC 20301-2400  
Since: May 2017**



SOURCE OF COMMISSIONED SERVICE ROTC

EDUCATIONAL DEGREES

Wheaton College – BA – Ancient Languages  
Wheaton College – MA – Theological Studies  
University of Virginia-Charlottesville – MA – Islamic Studies  
National Defense University – MS – National Security Strategy

MILITARY SCHOOLS ATTENDED

Military Intelligence Officer Basic and Advanced Courses  
United States Army Command and General Staff College  
National War College

FOREIGN LANGUAGE(S) Arabic-Modern ; Hebrew ; Arabic-Egyptian

<u>PROMOTIONS</u>	<u>DATE OF APPOINTMENT</u>
2LT	27 May 87
1LT	13 Nov 89
CPT	1 Jun 92
MAJ	1 Dec 98
LTC	2 Oct 04
COL	1 Mar 10
BG	2 Jul 15

<u>FROM</u>	<u>TO</u>	<u>ASSIGNMENT</u>
May 17	Present	Principal Director to the Deputy Assistant Secretary of Defense for Middle East Policy, Office of the Secretary of Defense, Washington, DC.
Jan 15	Apr 17	Senior Defense Official and Defense Attaché-United Arab Emirates (United States Central Command), Defense Intelligence Agency, United Arab Emirates
Feb 14	Dec 14	Student, Arabic Language Training, Defense Intelligence Agency, Washington DC
Aug 11	Feb 14	Senior Defense Official/Defense Attaché, Defense Intelligence Agency, Jordan
Aug 10	Aug 11	Senior Defense Official/Defense Attaché, Defense Intelligence Agency, Lebanon
Aug 09	Jun 10	Student, National War College, Fort McNair, Washington, DC
Aug 06	Aug 09	Planner, later Chief, Political-Military Plans Branch, Strategic Plans and Policy Directorate, J-5, Joint Staff, Washington, DC
Jan 05	Aug 06	Defense and Army Attaché, Defense Intelligence Agency, Republic of Yemen
Jan 02	Jan 05	Deputy Chief, All Source Assessments Division - Iraq, Defense Intelligence Agency, Washington, DC
Sep 00	Jan 02	Student, University of Virginia-Charlottesville, Charlottesville, Virginia
Jan 99	Aug 00	Army Strategist/Regional Staff Officer, Office of the Deputy Under Secretary of the Army (International Affairs), Washington, DC
Jan 98	Jan 99	Foreign Area Officer, Defense Attaché Office, Defense Intelligence Agency, Egypt
Aug 96	Jan 98	Student, Arabic Language Training, Defense Language Institute-Washington Office, Washington,DC
Aug 95	Aug 96	Commander, A Company, 741st Military Intelligence Battalion, 704th Military Intelligence Brigade, Fort Meade, Maryland
Apr 94	Aug 95	Operations Officer, Headquarters Operations Company, 742d Military Intelligence Battalion, 704th Military Intelligence Brigade, Fort Meade, Maryland
Nov 93	Apr 94	Student, Military Intelligence Officer Advanced Course, United States Army Intelligence Center, Fort Huachuca, Arizona
Oct 92	Oct 93	Student, Hebrew Basic Course, Defense Language Institute, Presidio of Monterey, California
Mar 92	Dec 94	Force Readiness Officer, United States Army Personnel Command, Alexandria, Virginia

Oct 89 Jun 91 Platoon Leader, B Company, later S-4, 101st Military Intelligence Battalion, 1st Infantry Division, Fort Riley, Kansas and OPERATION DESERT STORM, Saudi Arabia  
 Jul 88 Oct 89 Tactical Intelligence Officer, 1st Brigade, 1st Infantry Division, Fort Riley, Kansas

SUMMARY OF JOINT ASSIGNMENTS

	<u>DATE</u>	<u>GRADE</u>
Principal Director to the Deputy Assistant Secretary of Defense for Middle East Policy, Office of the Secretary of Defense, Washington, DC.	May 17 - Present	Brigadier General
Senior Defense Official and Defense Attaché-United Arab Emirates (United States Central Command), Defense Intelligence Agency, United Arab Emirates	Jan 15 - Apr 17	Colonel/Brigadier General
Student, Arabic Language Training, Defense Intelligence Agency, Washington DC	Feb 14 - Dec 14	Colonel
Senior Defense Official/Defense Attaché, Defense Intelligence Agency, Jordan	Aug 11 - Feb 14	Colonel
Senior Defense Official/Defense Attaché, Defense Intelligence Agency, Lebanon	Aug 10 - Aug 11	Colonel
Planner, later Chief, Political-Military Plans Branch, Strategic Plans and Policy Directorate, J-5, Joint Staff, Washington, DC	Aug 06 - Aug 09	Lieutenant Colonel/Colonel
Defense and Army Attaché, Defense Intelligence Agency, Republic of Yemen	Jan 05 - Aug 06	Lieutenant Colonel

SUMMARY OF OPERATIONAL ASSIGNMENTS

	<u>DATE</u>	<u>GRADE</u>
S-4, 101st Military Intelligence Battalion, 1st Infantry Division, OPERATION DESERT STORM, Saudi Arabia	Jan 91 - May 91	First Lieutenant

US DECORATIONS AND BADGES

Defense Superior Service Medal (with 1 Bronze Oak Leaf Cluster)  
 Bronze Star Medal  
 Defense Meritorious Service Medal (with 1 Bronze Oak Leaf Cluster)  
 Meritorious Service Medal (with 1 Bronze Oak Leaf Cluster)  
 Army Commendation Medal  
 Army Achievement Medal (with 2 Bronze Oak Leaf Clusters)  
 Parachutist Badge  
 Joint Chiefs of Staff Identification Badge  
 Army Staff Identification Badge





# U.S. Strategic Command Biography

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## ***Lieutenant General David L. Mann*** ***Commander, JFCC-IMD***

LTG David L. Mann assumed command of the U.S. Army Space and Missile Defense Command/Army Forces Strategic Command and Joint Functional Component Command for Integrated Missile Defense in August 2013. He is a Distinguished Military Graduate of Gettysburg College after graduating from Millersville University in 1981. He has served in a variety of command and staff assignments, both in the continental United States and overseas.



Most recently, he served as the Commanding General of the U.S. Army Recruiting Command at Fort Knox, KY. Before that he served as the Commanding General, 32nd Army Air and Missile Defense Command, a theater-level air and missile defense (AMD) organization responsible for executing global operations in support of the Combatant Commands (COCOMs).

Additional command assignments include: Battalion Commander, 2nd Battalion, 44th Air Defense Artillery Regiment, 101st Airborne Division (Air Assault), Fort Campbell, KY., where elements of the battalion deployed to Kosovo in support of Operation Joint Guardian; Brigade Commander, 108th Air Defense Artillery Brigade, XVIII Airborne Corps where he deployed to Iraq in support of Operation Iraqi Freedom; and as the Commanding General, White Sands Missile Range, N.M.

Previous staff assignments include: Aide-de-Camp to the Commanding General, 24th Infantry Division (Mechanized), Fort Stewart, GA.; Battalion Operations Officer, 1st Battalion, 3rd Air Defense Artillery (BSFV/ Stinger), 4th Infantry Division (Mechanized) where he deployed to Guantanamo Bay, Cuba, as part of Joint Task Force 160; Operations Research and Systems Analysis Officer, Directorate of Program Analysis and Evaluation, Pentagon; Aide-de-Camp to the Vice Chief of Staff of the Army; Senior Planner with duty on the Operation Enduring Freedom Current Operations Team, the Joint Staff following the events of 9-11; Chief of Staff, U.S. Air Defense Artillery Center, Fort Bliss, TX.; and as the Deputy Commanding General, U.S. Army Recruiting Command, Fort Knox, KY.

LTG Mann holds a Master of Science in Engineering Management from George Washington University and a Master of Arts in National Security and Strategic Studies from the U.S. Naval War College.

His awards and decorations include the Distinguished Service Medal (oak leaf cluster), Legion of Merit (three oak leaf clusters), Defense Meritorious Service Medal, Meritorious Service Medal (four oak leaf clusters), Army Commendation Medal, Joint Service Achievement Medal (oak leaf cluster), Army Achievement Medal (oak leaf cluster), Parachutist Badge, Air Assault Badge, Recruiter Badge, and the Joint and Army Staff Identification Badges.





## **Mr. Thomas Karako**

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Thomas Karako is a senior fellow with the International Security Program and the director of the Missile Defense Project at the Center for Strategic and International Studies (CSIS), where he arrived in 2014 as a fellow with the Project on Nuclear Issues. His research focuses on national security, U.S. nuclear forces, missile defense, and public law. He is also an assistant professor of political science and director of the Center for the Study of

American Democracy at Kenyon College, where he arrived in 2009. For 2010–2011, he was selected to be an American Political Science Association Congressional Fellow, during which time he worked with the professional staff of the House Armed Services Committee on U.S. strategic forces policy, nonproliferation, and NATO.

Karako received his Ph.D. in politics and policy from Claremont Graduate University and his B.A. from the University of Dallas. He previously taught national security policy, American government, and constitutional law at Claremont McKenna College and California State University, San Bernardino. He has also written on executive-congressional relations, the thought of Niccolo Machiavelli, and international executive agreements.

Expertise: Defense Strategy and Capabilities, Defense and Security, Geopolitics and International Security



## Colonel Michael C. Morton

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Colonel Michael C. Morton was commissioned a 2nd Lieutenant in Armor through the Reserve Officer Training Corps program at Texas A&M University, where he also earned a Bachelor of Arts degree in History. He holds a Master's degree in Middle Eastern Studies from the University of Texas.

His Armor assignments included 1-72 Armor at Camp Casey, Korea; 3-64 Armor at Schweinfurt, Germany; the 1st Armor Training Brigade at Fort Knox, Kentucky and 3-8 Cavalry Squadron at Fort Hood, Texas.

After transitioning to the Foreign Area Officer program and studying Arabic at the Defense Language Institute, he served in the U.S. Military Training Mission at Riyadh, Saudi Arabia. He then served as an Assistant G-5, Third U.S. Army/Army Central Command at Fort McPherson, Georgia; Camp Doha, Kuwait and Baghdad, Iraq. He then directed Army Foreign Military Sales at the Office of Military Cooperation in Manama, Bahrain. He then served as an Assistant G-9, III Corps Headquarters at Fort Hood, Texas and as an Operations Officer, Baghdad Operations Command Military Transition Team in Baghdad, Iraq.

Upon returning from Iraq, he served as the Director of Foreign Military Sales in the Office of Military Cooperation in Kuwait City, Kuwait; Deputy Chief of the Office of Military Cooperation in Muscat, Oman and Chief of the Office of Military Cooperation in Cairo, Egypt.

After a short assignment as the Director, PACOM/SOUTHCOM Regional Operations at the U.S. Army Security Assistance Command, Colonel Morton returned to Iraq where he served as the Chief of the Tribal Engagement Coordination Cell, Combined Joint Task Force - Operation INHERENT RESOLVE. Currently, Colonel Morton is the Director, EUCOM/AFRICOM Regional Operations at the United States Army Security Assistance Command



## **COLONEL DAVID E. SHANK**

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COL Shank currently serves as the 10th Army Air and Missile Defense Commander, United States Army-Europe. In 1994, he was commissioned a second lieutenant in Air Defense Artillery from the University of Florida Army ROTC Program.

COL Shank has served in a variety of operational and staff assignments. They include: Platoon Leader, 5-5 ADA and 5th ROK Armor Brigade Liaison Officer, Korea; ADA Battery Executive Officer, 3d Armored Cavalry Regiment, Fort Carson, CO; Adjutant, 1st Squadron, 3d ACR, Fort Carson, CO; Battery Commander and Logistics Officer, 1-4 ADA, Wiesbaden, GE; Aide-de-Camp to 1st Armored Division Commanding General, Wiesbaden, GE and Iraq; Officer Distribution Account Manager, Human Resources Command, Alexandria, VA; Battalion Operations Officer and Executive Officer, 1-44 ADA, Fort Bliss, TX and Korea; Task Force Operations Officer, 3-3 ADA (Provisional) (C-RAM), Fort Bliss, TX and Iraq; Chief of Plans and Deputy G3, 32d AAMDC, Fort Bliss, TX; Battalion Commander, 1-43 ADA, Fort Bliss, TX and Qatar, Bahrain, and Jordan (Task Force Cobra); Theater Air and Missile Defense Branch Chief, USCENTCOM, MacDill AFB, FL; and Executive Officer to USCENTCOM Director of Operations (J3), MacDill AFB, FL.

His operational deployments include: Operation Desert Shield / Desert Storm (842d Combined Security Group, U.S. Air Force); Operation Iraqi Freedom (Headquarters, 1st Armored Division and V Corps / CJTF-7); Operation Iraqi Freedom and Operation New Dawn (TF 3-3 ADA); and Operation Enduring Freedom (TF Cobra / 1-43 ADA).

COL Shank is a graduate of the Air Defense Artillery Officer Basic Course and Armor Captains Career Course. He holds a Bachelor of Science Degree in Political Science from the University of North Florida, a Master of Science Degree in Military Studies from the U.S. Marine Corps Command and Staff College, and a Master of Science Degree in National Strategic Studies from the U.S. Army War College.

His awards and decorations include: Bronze Star Medal (2 OLC); Joint Meritorious Service Medal; Army Meritorious Service Medal (4 OLC); Army Commendation Medal (2 OLC); Army Achievement Medal (2 OLC); Air Force Achievement Medal; Parachutist Badge; and Combat Action Badge.



## Major General Frank “Del” Turner

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*United States Army Retired*

**Del Turner** is Director, Joint Business Ventures for Business Development & Strategy at Raytheon’s Integrated Defense Systems (IDS).

Raytheon Company, sales of \$25 billion in 2017 and 64,000 employees worldwide, is a technology and innovation leader specializing in defense, homeland security and other government markets throughout the world. With a history of innovation spanning over 90 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as a broad range of mission support services.

IDS is Raytheon’s leader in integrated air and missile defense; radar solutions; command, control, communications, computers and intelligence (C4I) systems; and naval combat and ship electronic systems. Through world-class mission systems integration and technology expertise, IDS provides defense and homeland security solutions to global customers. Headquartered in Tewksbury, Mass., IDS employs over 14,000 people in 28 locations around the world.

In his current role, Turner leverages his extensive military experience in US Department of Defense Security Assistance and Foreign Military Sales programs to develop funding strategies and agreements with domestic and international customers for Raytheon products and services.

Turner joined the IDS Business Development Team in 2015 after a distinguished 37 year career in the United States Army, culminating as the Commanding General, United States Army Security Assistance Command in Huntsville, Alabama. Prior to that, he served from 2009-2011 as the Program Manager for the Saudi Arabia National Guard Modernization Program in Riyadh, Kingdom of Saudi Arabia. His initial flag officer assignment was as Commanding General, US Army Developmental Test Command, Aberdeen Proving Ground, Maryland, from 2006-2008.

His Army career included multiple key assignments, commanding units at all levels from field artillery battery to two-star level commands. He served on the Joint Staff, on the Army and Forces Command staffs, in US Army Accessions Command and the Army Recruiting Command.

Turner received a bachelor’s degree in engineering from the United States Military Academy. He also holds a master’s degree in Industrial Engineering / Operations Research from Northwestern University, Evanston, Illinois.

**Raytheon**

*Customer Success Is Our Mission*

**Del Turner**  
Director, Joint Business Ventures  
Business Development & Strategy  
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