

Weapons Sustainment Planning Early in the Development Life Cycle

Committee

Frank Kendall

Chair

Hon Frank Kendall (Chair) is an independent consultant and served as the Under Secretary of Defense for Acquisition, Technology and Logistics from 2012-2017, where he was responsible to the Secretary of Defense for all matters pertaining to acquisition; research and engineering; developmental testing; contract administration; logistics and materiel readiness; installations and environment; operational energy; chemical, biological, and nuclear weapons; the acquisition workforce; and the defense industrial base. Prior to this appointment, from 2010-2012 he served as the Principal Deputy Under Secretary and also as the Acting Under Secretary. Mr. Kendall has over 40 years of experience in engineering, management, defense acquisition, and national security affairs in private industry, government, and the military. He has been a consultant to defense industry firms, non-profit research organizations, and the Department of Defense in the areas of strategic planning, engineering management, and technology assessment. Previously, he served as Vice President of Engineering for Raytheon Company, where he was responsible for management direction to the engineering functions throughout the company and for internal research and development, and as Managing Partner at Renaissance Strategic Advisors, a Virginia-based aerospace and defense sector consulting firm. Within government, Mr. Kendall held the position of Director of Tactical Warfare Programs in the Office of the Secretary of Defense and the position of Assistant Deputy Under Secretary of Defense for Strategic Defense Systems. Mr. Kendall is a former member of the Army Science Board and the Defense Intelligence Agency Science and Technology Advisory Board and he has been a consultant to the Defense Science Board and a senior advisor to the Center for Strategic and International Studies. Mr. Kendall also spent ten years on active duty with the Army serving in Germany, teaching engineering at West Point, and holding research and development positions. Mr. Kendall is an attorney and has been active in the field of human rights, working primarily on a pro bono basis. He has worked with Amnesty International USA, where he served as a member of the Board of Directors, with Human Rights First, for which he was an observer at Guantanamo, and with the Tahirih Justice Center, where he was Chair of the Board of Directors. A recipient of the Department of Defense Distinguished Civilian Service Medal, Secretary of Defense Meritorious Civilian Service Medal, Presidential Rank Award of Distinguished Executive (Senior Executive Service), Presidential Rank Award of Meritorious Executive (Senior Executive Service), Army Commander's Award for Civilian Service, Meritorious Service Medal with oak leaf cluster, Army Commendation Medal, and National Defense Service Medal, Mr. Kendall is a distinguished graduate of the U.S. Military Academy at West Point and he holds a masters degree in aerospace engineering from California Institute of Technology, a Master of Business Administration (MBA) degree from the C.W. Post Center of Long Island University, and a Juris Doctor (JD) degree from Georgetown University Law Center.

Andrew E. Busch

Member

Lt Gen (ret) Andrew E. Busch, USAF currently works as a consultant providing strategic insights on a variety of supply chain, industrial operations, and process improvement challenges. He completed 38 years of military service retiring as a Lieutenant General in the United States Air Force in 2017. As an Air Force General, he had 12 years profit/loss experience leading four different supply chain management and aircraft maintenance, repair, and overhaul businesses. In his final assignment he served as the director of the Defense Logistics Agency (DLA) responsible for nine Defense Department supply chains including; military clothing, food, medical material, construction equipment, fuel, and the majority of weapon system spare parts. In addition, Lt Gen Busch has significant international experience derived from worldwide business dealings in support of U.S. and partner nation military forces. His early career focused on operational assignments in fighter aircraft maintenance where he commanded three maintenance squadrons. In his later assignments, he specialized in supply chain management and aircraft maintenance, repair and overhaul. As a General Officer, he commanded an aircraft MRO depot, the DLA-Aviation supply chain, an Air Force logistics center, culminating in his selection as the 18th Director of the Defense Logistics Agency. He earned his commission in 1979 as a graduate of the U.S. Air Force Academy. He received his master's degree in Acquisition Logistics Management from the Air Force Institute of Technology Graduate School of Engineering and Management in 1990 and a M.A. in military national resource strategy and policy from the Industrial College of the Armed Forces in 1994.

Kathleen M. Dussault

Member

RADM (ret) Kathleen Dussault, USN, a retired Two-Star Admiral of the United States Navy, is an independent consultant. Admiral Dussault served as the Director of Logistics Programs and Corporate Operations in the Office of Chief of Naval Operations where she oversaw the resourcing and operations of Global Logistics for joint military, maritime and Navy customers. In this capacity she managed implementation and expansion of enterprise resource planning system to optimize planning, budgeting and execution of multi-billion dollar budget resulting in improved financial management and decision making across the Naval enterprise. She also served as the Deputy Assistant Secretary of the Navy for Acquisition where she led an acquisition workforce of over 8,000 contracting professionals across the Naval enterprise and provided governance for approval of acquisition plans, strategies and post-award execution of contracting actions in excess of \$70 billion. She served in two battlefield assignments providing operational contracting support and acquisition oversight as well as positions aboard three deployed ships in increasingly challenging roles providing logistical support in a global maritime environment. Admiral Dussault's medals and commendations include the Navy Distinguished Service Medal, the Defense Superior Service Medal and the Bronze Star. She holds a Bachelor of Administration degree in American Government from the University of Virginia, a Master of Science degree in Procurement Management (with honors) from Saint Mary's College of California and a Master of Science degree in national resource strategy from the Industrial College of the Armed Forces. Admiral Dussault is also a graduate of Cornell's Graduate School of Business, Senior Executive Program. Admiral Dussault currently serves on the Board of the Military Officer's Association of America supporting government policies that benefit military members and their families.

Mark Harnitchek

Member

VADM (ret) Mark D. Harnitchek, USN (Alternate Chair) is the vice president for Military Aftermarket Sales for Heroux-Devtek, a Canadian landing gear manufacturer. VADM Harnitchek retired from the Department of the Navy in 2015 with over 37 years of service. His last assignment was as director of the Defense Logistics Agency, where he managed a \$46 billion, 27,000 personnel enterprise providing global support across nine supply chains: subsistence; clothing and textiles; construction and equipment; medical; industrial hardware; aviation systems; land systems; maritime systems; and fuel/energy to the military services and other Federal Agencies. Previously, he was the deputy commander of the United States Transportation Command (USTRANSCOM), where he was responsible for leading the global movement of military personnel and equipment. He also directed the U.S. Central Command (USCENTCOM) Deployment and Distribution Operations Center in Operations Iraqi and Enduring Freedom. VADM Harnitchek also served as the Vice Director of Logistics on the Joint Staff, which supports the Chairman of the Joint Chiefs of Staff in his role as the principal military advisor to the President. VADM Harnitchek has served in a variety of sea tours including two submarines, USS Will Rogers (SSBN 659) and USS Buffalo (SSN 715); two ships, USS Holland (AS 32) and USS Proteus (AS 19); and the aircraft carrier USS Theodore Roosevelt (CVN 71). His shore tours include commander of Submarine Group 7, Yokosuka, Japan; the Navy Ships Parts Control Center, Naval Air Station Oceana, Virginia; and the Chief of Naval Operations (CNO) staff. VADM Harnitchek is a member of the Defense Science Board and received a Bachelor of Arts degree from Penn State University in 1977 and a master's degree in Management from the Naval Postgraduate School, Monterey, California in 1987.

Wesley L. Harris

Member

Dr. Wesley L. Harris (NAE), is the Charles Stark Draper Professor of Aeronautics and Astronautics and former Associate Provost and Head of the Department of Aeronautics and Astronautics at the Massachusetts Institute of Technology (MIT). His research focuses on theoretical and experimental unsteady aerodynamics and aeroacoustics, computational fluid dynamics, hemo-dynamics, sustainment of complex systems, and federal government policy impact on procurement of high-technology systems. Prior to this position, he served as the Associate Administrator for Aeronautics at NASA. He has also served as the vice president and chief administrative officer of the University of Tennessee Space Institute and Dean of Engineering, University of Connecticut. Dr. Harris earned a Ph.D. and M.A. in aerospace and mechanical sciences from Princeton University and a Bachelor of Arts in aerospace engineering (with honors) from the University of Virginia.

Bruce A. Litchfield

Member

Lt Gen (ret) Bruce A. Litchfield, USAF is vice president for sustainment operations for Lockheed Martin Aeronautics Company. In this capacity, he is responsible for the execution and strategic growth of the aeronautics global sustainment business. He also directs operations in Greenville, South Carolina and Montreal, Canada, in addition to Aeronautics Field Team Operations worldwide. He leads a global team dedicated to providing mission readiness support to the U.S. military and allies around the world. Previously, Lt Gen Litchfield served as vice president for production program support for Lockheed Martin Aeronautics Company, where he was responsible for leading the functional management of production programs across multiple geographic sites. Prior to joining Lockheed Martin, Lt Gen Litchfield served 34 years in the U.S. Air Force, retiring with the rank of Lieutenant General. He commanded six Air Force units at every level from squadron to standing up, and commanding the Air Force Sustainment Center. Additionally, he is the architect of an innovative leadership and governance system called “Art of the Possible.” Throughout his U.S. Air Force career, Lt Gen Litchfield held numerous positions in the areas of operational support, acquisition, and logistics. He was the director of logistics for Pacific Air Forces and a major Joint Task Force. His staff assignments included tours at three Major Commands (MAJCOMs), the Air Staff, and Joint Staff levels. In addition, Lt Gen Litchfield served as the vice commander and deputy program executive officer for Aeronautical Systems Command, where he held program execution responsibilities. The vast portfolio of programs crossed the fighter, bomber, mobility, and training system spectrum. He is certified as a level III program manager in the Department of Defense Acquisition Professional Development Program. Lt Gen Litchfield holds a bachelor’s degree in electrical engineering from Norwich University and master’s degrees in administration from Georgia College, and national strategy from the Naval War College.

Ozden O. Ochoa

Member

Dr. Ozden Ochoa is Professor Emeritus in Mechanical Engineering at Texas A&M University and a member of the Air Force Studies Board. Dr. Ochoa most recently served as the associate director for Science & Technology at the Army Research Laboratory from 2011-2014. She holds the distinction of professor emerita after 31 years of service at Texas A&M University and continues her research programs as TEES Research Professor in the Department of Mechanical Engineering. Dr. Ochoa was the interim director of Aerospace Sciences and Materials Directorate at U.S. Air Force Office of Scientific Research (AFOSR) from 2005-2006. She actively conducted research and established focus areas in composites as the senior technologist (Composites-ST) at the Materials and Manufacturing Directorate at Wright- Patterson Air Force Base in Ohio from 2003-2005. From 1999 to 2005, Dr. Ochoa was an advisor to the NATO Science for Peace Project working with a team of Canadian, Russian, Belarusian, and Ukrainian scientists and engineers. As a program manager at AFOSR from 1997-1999, she developed the portfolio for Mechanics of Composites as a fundamental research area. Dr. Ochoa spent a year in 1986 at Bell Helicopter Textron to implement fracture mechanics of composites into design and development of helicopter blades. Her on-campus leadership at Texas A&M University includes service as associate dean of Graduate Studies and Thrust Area Lead for Composite Structure and Materials at the NSF TAMU-UT Offshore Technology Research Center. Dr. Ochoa's research in computational and experimental mechanics of composites in aerospace, offshore, automotive, and medical applications has taken her around the world delivering invited lectures including Europe, Australia, Asia-Pacific, Africa, Middle East, and the Americas. Her research contributions in mechanics of composite materials and structures with applications in the aerospace, offshore, and automotive industries have culminated in over 200 journal and proceeding publications, technical reports, and one book. As service to the scientific community, Dr. Ochoa consistently takes on leadership roles to enhance educational and professional growth of scientists and engineers. She completed a two-year term (2011-2013) as the president of the Executive Council of the International Committee for Composite Materials. Earlier, she served as the president of the American Society for Composites from 2006 to 2007 and on the Board of Governors of the American Society of Mechanical Engineers from 2004 to 2007. Among her many honors are 2012 ASTM D30 Wayne Stinchcomb Memorial Award, 2005 American Society for Composites-Destech Award in Composites; American Society of Mechanical Engineers Dedicated Service Award; Texas A&M University International Excellence Award; and the Texas A&M University Honors Program Teacher/Scholar Award and International Excellence Award. In 1997, she was named to the Texas A&M Mechanical Engineering Academy of Distinguished Graduates. She was recognized in 2003 as a Texas A&M Dwight Look College of Engineering Fellow. Dr. Ochoa also devotes time to advance the appreciation of arts as a board member on Embassy Series-Washington, DC; a member of National Museum of Women in the Arts -Texas State Committee; a member of Founders' Circle of Festival Hill; TAMU Opera and Performing Arts Society, Brazos Valley Arts Council; and Brazos Valley Symphony Orchestra and many other performing art groups and museums in Texas and DC. Dr. Ochoa holds a bachelor's degree in mechanical engineering from Bogazici University (Robert College) in Turkey, and a master's degree in nuclear engineering and a Ph.D. in mechanical engineering, both from Texas A&M University.

Christina L. Truesdale

Member

Ms. Christina L. Truesdale is Senior Logistics Operations Manager for KBR Wyle, Inc., where she manages multiple storerooms and warehouses for Ironsmoke Operations. She is responsible for all aspects of government property management that includes the planning and execution of all logistics support for the organization. She serves as the focal point for all logistics matters by coordinating with internal and external organizations and supervises acquisition, warehouse personnel, property management office, transportation, maintenance, and support operations and oversees the operating system, Sunflower, management of data entry, requisitions supplies and equipment, processes change documents and maintains all associated files. Previously, Ms. Truesdale worked as property manager at Textron Corporations, where she managed over 30 contracts and provided guidance in managing over \$700 million in government property and oversaw operations in four separate geographic locations. Ms. Truesdale began her career in logistics in 1989-1994 with the Maryland Army National Guard, and 1994-2014 with the United States Army where she provided support to numerous operating units both stateside and overseas. She received her B.A. in criminal justice with a minor in logistics from Wayland Baptist University and a M.A. in performance improvement from Grantham University. Ms. Truesdale holds the title Certified Professional Property Manager (CPPM) Consulting Fellow (CF) with the National Property Management Association (NPMA).