

2019 Ammunition Hall of Fame Inductee

MR. MARTIN MORATZ



May 2010 - April 2014: Conventional Ammunition Division (CAD) Chief, Office of the Project Manager for Combat Ammunition Systems (PM CAS), Picatinny Arsenal, NJ:

Mr. Moratz was the life-cycle manager responsible for the acquisition and production of all conventional artillery and mortar ammunition for the U.S. Army, U.S. Marine Corps (USMC) and U.S. Air Force (USAF). Annual budgets exceeded \$600M with over \$1B of work in progress. He developed disciplined processes with metrics for acquisition management. He executed a component break out strategy in which the Conventional Ammunition Division (CAD) office was the supply chain manager and systems integrator. This required the preparation of multiple acquisition strategies to be approved at the PEO and Department of the Army level.

In FY2011, he led CAD efforts to deliver indirect fire product that included artillery rounds, mortar cartridges, MACS charges, and artillery fuzes. The effort was recognized by DoD with the Packard Award for Excellence in Acquisition in 2012. Under Mr. Moratz's leadership the CAD organization delivered major improvements in conventional indirect fires leading to Urgent Materiel Releases (UMR) supporting Operation Enduring Freedom (OEF), Full Materiel Releases (FMR) and Type Classification Standard.

In addition, Mr. Moratz was also the driving force behind significant cost effective improvements to artillery and mortar ammunition. Mr. Moratz was the chief architect in developing the 155mm M483 re-use program. This program transformed a liability into a cost savings and capability enhancement opportunity for the Army. This was accomplished by re-using existing M483 cargo carrying shell bodies and replacing the existing DPICM payload with updated mission specific payloads such as Visible Light or Infra-red candles or a High Explosive fill. The first fielded example of this approach was the M1122 training round which provides more realistic training for Soldiers and Marines and saved ~\$100M over the life of the program. Mr. Moratz has also presided over the implementation of several key safety improvements such as the integration of IMX-101 Insensitive Munition Explosive into 155mm projectiles. The Army's new explosive, IMX-101 was named one of "The 50 Best Inventions of 2010" by TIME Magazine. In addition, the IMX-104 formulation, which is a replacement for the more powerful Comp B explosive, was also integrated into mortar cartridges. Through his leadership and commitment to the mission, CAD implemented an innovative Indefinite Delivery Indefinite Quantity (IDIQ) contract strategy which resulted in contract awards worth approximately \$3B dollars over 2010-2014 timeframe. Mr. Moratz also developed and implemented a simplified IDIQ proposal submittal initiative that reduced the overall proposal page count from about 150 pages (typical best value proposal) to about 30-40 pages without sacrificing key technical and programmatic content or increasing program risk. Mr. Moratz enabled the use of the Low Price

Technically Acceptable (LPTA) contract approach in order to streamline the acquisition cycle time even further. The new streamlined approach has continued to be used to this day.

Mr. Moratz's drive to improve quality was reflected in the Technical Data Package (TDP) review effort and the quality audits effort he championed. The objective of the TDP effort was to thoroughly review active production TDPs on a rotating five-year cycle. The yearly quality audits of the CAD Supply Chain were also an outstanding success. The quality audit process consists of verification of supplier compliance to contractual requirements. These audits have proven to be a proactive way to identify supplier risks and mitigate them before they become Warfighter readiness issues. Both the TDP scrub and the supplier audits are still in use today.

July 2005 - April 2010: Advanced Systems Division Chief, Office of the Project Manager for Combat Ammunition Systems (PM CAS), Picatinny Arsenal, NJ:

Mr. Moratz was responsible for the development of the PM CAS Strategic Plan for Science and Technology. He actively sought technologies that made precision munitions affordable. He coordinated with industry partners and the combat developers to identify technologies to be brought into acquisition. He developed an organizational strategy that addressed operational needs, identified resources developed and achievable schedule for bringing new capabilities into acquisition. The effort resulted in the Combat Developer developing and approving several JCIDS documents.

August 2003 - June 2005: Artillery Branch Chief, U.S. PM CAS, Picatinny NJ:

Mr. Moratz was responsible for the life-cycle management of all the Army's conventional artillery ammunition. He supervised four Program Management Officers in the acquisition of artillery ammunition annually. He initiated a program to develop the first 155mm artillery IR Illum projectile. Mr. Moratz was also responsible for developing and executing the PM CAS strategic plan for managing and preserving the fuze industrial base. He served on two Executive Black Belt teams that developed the Ammunition Enterprise process for managing Production and Engineering Support In Production. Mr. Moratz also performed the duties of the Single Manager Conventional Ammunition for artillery ammunition to coordinate with USAF, USMC and SOCOM customers for the delivery of their ammunition. Mr. Moratz was instrumental in resolving USAF and USMC supply/production problems.

January 1989 - July 2003: Quality Engineering Directorate, Armament Engineering and Development Center, Picatinny Arsenal, NJ:

Mr. Moratz served in positions of increasing responsibility from Quality Engineer to Project Leader, Branch Chief and Acting Division Chief. He fielded several new families of ammunition and weapon systems, to include the 120mm Battalion Mortar System consisting of the M120 ground mounted and M121 carrier mounted 120mm Mortar Weapon. This effort also included a full family of mortar ammunition. Mr. Moratz also supported the development and fielding of new 81mm and 60mm family of munitions. He provided key leadership managing the critical defects policy. He deployed new inspection technologies into the ammunition

industrial base to include Ultrasonic Testing for all mortar metal parts, Automated Digital Radiography for inspection of explosive cast defects. He worked with industry partners to transition these technologies into their production facilities.

1986 - 1989: Field Service Engineer Singer Kearfoot.

Mr. Moratz integrated the USAF Standard Precision Accuracy Inertial Navigation System into the Joint Star's Aircraft.

1979 - 1985: Officer United States Army.

Mr. Moratz served as a Platoon Leader, Company Commander, logistic and operational officer on Battalion and Brigade Staffs. He achieved the rank of Captain graduating from Infantry Officer's Basic and Advanced Course, Airborne and Ranger Schools.