The Aviation Systems Project Office (AS PMO) manages more than 50 product lines and over $750M annually. The dedicated team of Soldiers, Army civilians, and support contractors daily manages both software and hardware that touches every aircraft in the Army portfolio.

The PM AS team is committed to our mission of developing and integrating a wide spectrum of world class aviation products and services to meet Soldier’s needs, generate common aircraft solutions, and conserve resources. This mission is accomplished through management and oversight of four product offices managing the “cradle to grave” challenges of separate and distinct products.

From the mission planning software to the tools required for successful aircraft maintenance, PM AS equipment plays a vital role in Army Aviation’s success in supporting the warfighter.

**AME**

The Aviation Mission Equipment (AME) product office, led by LTC Scott Everton, is responsible for the communications, navigation and surveillance (CNS) systems used by Army Aviation.

The AME team is responsible for providing and maintaining the common CNS equipment that meets the full range of Army Aviation requirements ranging from Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) mandates required to fly in commercial airspace to the tactical secure CNS capabilities that enable Army Aviation to effectively execute their primary military missions.

In addition to the CNS systems the team manages, they have also transitioned the management and oversight for the Blue Force Tracker-Aviation program from Program Executive Office (PEO) for Command, Control, and Communications-Tactical (C3T) to PEO Aviation under the CNS umbrella of PM AME.
AGSE

The Aviation Ground Support Equipment (AGSE) product office, led by LTC Steve Ansley, is the life cycle manager for all common AGSE used within Army Aviation and is considered the PM for the aviation crew chief. They have the direct responsibility for every piece of common aviation ground support equipment from the common aviation sets, kits, outfits, and tools to the flight line vehicles, aerial recovery kits, and forward operating base maintenance.

In 2012, PM AGSE initiated establishment of a permanent set of critical AGSE systems in Afghanistan as theater provided equipment (TPE) to support units engaged in Operation Enduring Freedom. These TPE items alleviate the time and effort associated with units having to pack and ship critical systems.

The AGSE TPE equipment consists of Standard Aircraft Towing Systems (SATS), Aircraft Ground Power Units (AGPUs), the Generic Aircraft Nitrogen Generators (GANG), Aviation Unit Maintenance Shop Sets AVUM SS/A92s, and the Aviation Intermediate Maintenance Shop Sets (AVIM SS).

ANMP

The Aviation Networks and Mission Planning (ANMP) product office, led by Scott Caruso, is our newest product office. Their primary responsibilities involve digital data systems for mission planning and providing digital connectivity to the tactical network. This is accomplished primarily through the Improved Data Modem (IDM) in conjunction with the Aviation Mission Planning System (AMPS).

In addition to the work the team is doing to establish a long-term capability for our aviators to operate more safely in a degraded visual environment (DVE), in the near term the office is working to meet an Operational Needs Statement for a similar DVE capability.

In the 4th quarter 2014, the team will begin fielding the Aviation Data Exploitation Capability (ADEC), the Aircraft Notebook (ACN), and the Aviation Logistics Enterprise-Platform (ALEP) family of systems (FoS).

These systems will replace the legacy Standard Army Management Information System (STAMIS) capabilities and enhance and simplify how Army aviation performs maintenance and logistics functions through highly integrated and improved processes, providing an intuitive, modernized user experience.

ATC

The PM AS portfolio is rounded out with the Air Traffic Control Product Management Office (ATC PMO). The ATC product office, led by LTC Mike Rutkowski, is responsible for the life cycle management of all Army tactical and fixed base air traffic control systems to function in both the Nation-
al Airspace System and military/joint use airspace at home and abroad.

The ATC team oversees 19 different programs to provide these capabilities to our aviation units to include the Air Traffic Navigation and Coordination System (ATNAVICS), Tactical Airspace Integration System (TAIS), and the Mobile Tower System (MOTS). The ATC PMO provided an update on their team’s activities in the November edition of the AAAA magazine.

In addition to these four product offices and their efforts, PM AS also oversees other efforts for PEO Aviation. One of these efforts is Aviation’s participation at the Network Integration Evaluation (NIE) and the work to improve air-ground interoperability.

We recently completed a successful NIE 13.1 rotation and are heavy into planning 13.2 while looking out to 14.1 and 14.2. These evaluations are designed to synchronize the efforts of the requirements, development and test communities to define emerging technologies for future tactical communications and speed delivery of integrated network capabilities to our Soldiers in the field.

The Aviation Systems Operations Cell is the PEO AVN focal point for NIE. In that role, we coordinated and executed activities required to support aerial tier network extension missions and air-ground integration missions at NIE 13.1.

These missions involve fixed wing, rotary wing and unmanned aircraft as well as a variety of emerging technologies and waveforms.

PM AS continues to actively support the Future Airborne Capability Environment (FACE) Consortium effort to develop the technical standard to define a software computing environment that supports reuse and portability of software components across different air platforms.

This is an industry and government forum chartered to develop the FACE Technical Standard, define conformance requirements, and establish a business model to enable the development of software components that interact with other software components through open/non-proprietary interfaces.

The FACE Consortium has established technical and business working groups to address the following areas: FACE Technical Standard, FACE Reference Implementation Guidance, Data Model(s), Conformance, Library/Repository, Business Model, and Contract Guidance.

PM Aviation Systems continues to leverage the power of integration on our aviation platforms. We are working to sustain and modernize our current systems while planning the development and integration of future capabilities.

Our goal is to reduce the workload of our Soldiers while providing them with increased combat capabilities.

COL Gerald R. Davis, Jr. is the project manager of the Aviation Systems Project Management Office at Redstone Arsenal, AL.