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THE CRITICAL LINK



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Mr. Michael Crapanzano is currently the Associate Director of Intelligence, Electronic Warfare and Sensors (IEWS) Directorate for the U.S. Army Communications-Electronics Command (CECOM) Software Engineering Center (SEC), at Aberdeen Proving Grounds (APG), Maryland. The IEWS Directorate currently supports 56 systems aligned with PEO IEW&S. Mr. Crapanzano has over 28 years' experience in system engineering, software engineering and information technology development. He has been supporting Electronic Warfare Software Development at CECOM SEC since 1996 in several engineering roles.

From 2006-2014, he was the Program Officer of the Army Reprogramming Analysis Team (ARAT) working with the charter of improving the US Armies Aircraft Survivability Equipment (ASE) and Counter Improvised Explosive Device (IED) software engineering rapid reprogramming capabilities and infrastructure in support of the Warfighter customer. Under his direction and technical leadership, the SEC's ARAT-PO has expanded the US Army's Electronic Warfare (EW) /Force Protection System (FPS) software engineering capabilities in support of an expanded portfolio of EW systems supporting the EW spectral domain. The infrastructure was improved and enhanced the program's capability in its Army mission while also supporting DoD and Coalition customers EW software reprogramming requirements utilizing an organic Army engineering capability. Those infrastructure improvements included a top to bottom reengineering approach that increased efficiency in support of increased requirements of software development of mission data software in support of Electronic Warfare Systems. This increase enabled a critical software development to increase from 6 to 60 releases per year, as well as initiated major improvements in tactical infrastructure and operations customer base that increased its unit level support from 300 to over 5,500 Warfighter direct EW users, including the incorporation of ground based force protection support, thereby increasing the situational awareness knowledge and ensuring the survivability of both the airborne and ground based platforms and Soldiers. Over last couple of years based on the high capabilities the ARAT team has accomplished in support of mission operations, several Army regulations we updated to designated the ARAT Program office as executive agent of all US Army Electronic Warfare software reprogramming. An updated ARAT Program Charter was newly signed by US Army AMC CG in 2011, formally recognizing and expanding ARAT's responsibilities to the US Army.

Mr. Crapanzano became Deputy Director of the SEC ISR Directorate in October 2009 and was promoted to Associate Director of IEWS in October 2014, to bring additional technical leadership to Intelligence, and Sensor software development activities in addition to his support to Electronic Warfare. In this role Mr. Crapanzano supports the leading of software engineering of over 45 mission critical systems and associated engineering staff.

Mr. Crapanzano has received several awards from the US Army in his support of Electronic Warfare software engineering over the years to include the US Army Civilian Service Medal in 2005, 2009 and 2014. Mr. Crapanzano has also received the Honorable Order of St. Michael in 2010 from the Army Aviation Association of America, for his dedicated and instrumental support to the Army Aviation Electronic Warfare Mission and Soldier. Mr. Crapanzano holds a BS in Computer Science and Computer Engineering. He is DAU Level 3 Certified in Systems Engineering and an Army Acquisition Corp Member.

