David Usechek, Ph.D.

In June 1967 Dr. Usechak was commissioned a Second Lieutenant in the United State Army Signal Corps. Following commissioning and training, his first assignment was to Fort Monmouth, New Jersey where he served as a communications officer in the avionics laboratory.

Following his discharge from Army active duty, Dr. Usechak continued to serve our Nation as a Government civilian employee. He joined the Avionics Laboratory at Ft Monmouth where he worked on complex navigation technical issues. His reputation for solving complex technical challenges grew as he solved a navigation problem whose solution had eluded the engineering team, including the Prime developer. Further assignments included designing flight control systems for helicopters and fixed wing aircraft.

In 1982 Dr. Usechak joined Program Manager, Joint Surveillance Target Attack Radar System (Joint STARS), as the chief software lead. He quickly learned the Navy's CMS-2 programming language where he conducted reviews of the primer's contractor's software implementation and made changes to the design/implementations.

In 1984 he was promoted to chief engineer for the Army portion of Joint STARS where he oversaw saw the completion of the Ground Station Module (GSM), predecessor to the Tactical Ground Station TGS.

In 1986 he was further promoted to Project Manager, Joint STARS and led the highly successful deployment of the entire set of seven Ground Support Modules (GSMs), including the Air Force s portion of Joint STARS to Desert Shield/Desert Storm.

In 1991, upon the request of the Program Executive Officer, Command and Control (PEO, C2), he moved to that organization to become the chief software architect for Project Manager (PM) Common Software. During his time in PEO C2, which became PEO Command, Control, Communications Technology (C3T), he assisted with establishing the Central Technical Support Facility CTSF and developed the Common Message Processor (CMP) currently used in the Distributed Common Ground Station-Army (DCGS-A), and several other software products. Additionally he was the Army's technical and liaison officer to DoD's Defense Information Infrastructure Common Operating Environment Program (DII COE) which became Net-Centric Enterprise Services (NCES). Dr. Usechak served as the Chief Software Engineer and Architect for the Army's First Digital Division within PEO C3T, known today as Force XXI Battle Command, Brigade and Below (FBCB2), were he was instrumental in the design of the FBCB2 system.

In September 2000 Dr. Usechak retired from civil service and became a Chief Scientist for Ocean System Engineering Corporation (OSEC), now part of Vencore. As Chief Scientist he has supported the Army on several programs, most notably with the DCGS-A program. His DCGS-A support has spanned multiple different domains, including Army and Joint exercises, Multi-Service Execution Team (MET), Defense Intelligence Information Enterprise (DI2E), and the DCGS Integrated Backbone (DIB). He supported the successful implementation of the DIB, released in 2004, to the DCGS-A program.

Dr. Usechak holds a B.S. in Electrical Engineering from Widener University, a M.S. in Electrical Engineering from Fairleigh Dickinson University, a M.S. in Aerospace and Mechanical Science from Princeton University, and a D. Sc. in Engineering from the New Jersey Institute of Technology. He is also a graduate of the Defense Systems Management College (DSMC).