

D. Mark Husband, PhD

Senior Advisor for Root Cause Analyses



Dr. Mark Husband is the Senior Advisor for Root Cause Analyses in the office of Performance Assessments and Root Cause Analyses (PARCA). Dr. Husband is responsible for the creation of multidisciplinary teams to conduct root cause analyses, the performance of those analyses, and establishing policy, standards, and guidance for root cause analysis. The Root Cause Analyses division of PARCA, which was established in the Weapon Systems Reform Act of 2009, carries out root cause analyses on major defense acquisition programs when a program has a critical Nunn-McCurdy cost breach or upon request of the Secretary of Defense, the Under Secretary of Defense for Acquisition, Technology and Logistics, the Secretary of a military department, or the head of a Defense Agency.

Immediately prior to joining PARCA, Dr. Husband was Professor of Systems Engineering and Cost Analysis, Defense Systems Management College, Defense Acquisition University (DAU). He joined DAU in August, 2010 after 26 years of active service in the US Air Force. Prior to joining DAU, Dr. Husband served more than 15 years in a variety of acquisition disciplines including cost estimating; systems program research, development and engineering (SPRDE); program management; scientific and technical management; and test and evaluation. He is Level III certified in SPRDE, Business-Cost Estimating and Business-Financial Management and Level II certified in Program Management. He is also a certified DAU Executive Coach.

Dr. Husband began his career as a research engineer, specializing in solid propellant development and processing at Edwards AFB, California, and Karlsruhe, Germany and as a polymer processing engineer at the Materials Laboratory, Wright-Patterson AFB, Ohio. He then served as a Joint Operations Analyst at the U.S. European Command, where he conducted combat and logistics modeling supporting war plans development. During Operation ALLIED FORCE, he was Chief of the Contingency Plans Branch of the Kosovo Plans Group in the Operations Division and later served as Chief of the Operations Plans Group that developed two execution level contingency plans to respond to potential Serbian aggression in the Balkans. He served as the Military Assistant to the Commander, Allied Air Forces Southern Europe in Naples, Italy, and as squadron commander of the 426th Air Base Squadron, Stavanger, Norway.

From 2004 to 2007, Dr. Husband was an Operations Research Systems Analyst in the Office of Program Analysis and Evaluation (PA&E), Office of the Secretary of Defense. As a member of the Cost Analysis Improvement Group (CAIG), he conducted Independent Cost Estimates on Major Defense Acquisition Programs, including the USAF Combat Search and Rescue Helicopter, the USMC Expeditionary Fighting Vehicle, the USA Armed Reconnaissance Helicopter, UH-60M Upgrade, Stryker, and Global Combat Support System (a Major Automated Information System). Dr. Husband then served as Dean of the Air Command and Staff College resident program at Maxwell AFB, Alabama, followed by a second Pentagon tour as Deputy Director of Resource Analyses in HQ USAF/A9 (Studies & Analyses, Assessments and Lessons Learned). Dr. Husband has Bachelor and Masters of Science degrees from the University of South Carolina and a Doctor of Engineering from the University of Karlsruhe, all in chemical engineering.

