

Functional Area 11 - Quality Assurance

ASTM Contract N00412-00-M-0604: ASTM is providing Quality Assurance support to the U.S. Navy Air Systems Command's NALCOMIS program. This program is integrating thirteen database systems. ASTM is developing the system evaluation models for the integration process, simulating the integration process to analyze quality and reliability, forecasting the process quality and results, optimizing the process to ensure the quality of the integration, and training NAVAIR staff to use the system models.

AAC Contract N66604-01-C-4218: AAC is performing a \$29M Phase III SBIR task for the Submarine Acoustic Intercept Improvement Program using Sparsely Populated Volumetric Arrays (SPVAs). NAVSEA PMS-415 is the sponsor and NUWC Newport is the technical agent. Detailed engineering and analytical analyses were performed on the SPVA design and its associated signal processing systems to verify that the most robust manufacturing (in the case of the outboard electronics) and component selection (in the case of the inboard data acquisition and processing components) were selected. The robustness of these components was deemed critical to the goal of building a quality, reliable, and maintainable passive sonar system. These analyses assured that this goal was met.

AAC Contract N00178-98-C-2011: As part of the Surface Network Embedded Analysis Tactical Trainer (SNEATT) system development, AAC applied engineering analyses designed to assure a high quality training system. These analyses covered areas such as software quality assurance and hardware system reliability. The goal of these analyses was to assure a reliable and available training system that meets warfighter training needs. Routine use of SNEATT and follow-on tasking to expand its capability demonstrate the success of AAC's quality approach.

Additional Contracts:

CTI Contract C-OPO-22104, Contact Lynda Zelnick, 202-708-1772 x 1726