

SRC Reliability Goals and Requirements Assessments Support Success of Numerous DoD Acquisition Programs

Problem: The Systems Engineering Directorate, Office of the Under Secretary of Defense (Acquisition, Technology & Logistics)/Defense Systems conducts assessments of acquisition programs to ensure that systems engineering is an integral part of the acquisition program execution. The Defense Systems Assessments and Support office manages two types of assessments to improve the balance of cost, schedule, performance, and risk within and across major defense acquisition programs. Support assessments identify findings and recommendations specifically for the PM's use, whereas oversight assessments provide independent, predictive views on the health of programs as part of the Defense Acquisition Board (DAB) process. Assessment teams are supported by personnel resources from government, industry, and academia. During the assessment process, a need for additional subject matter expertise in reliability and related disciplines was identified.

Approach: The Alion SRC have been contracted to provide subject matter expertise in reliability and related disciplines for acquisition program assessments. SRC engineers undertake assessments and provide support in the reliability, logistics, and systems engineering domains for joint and individual service programs. Program performance, strategy, and execution are reviewed and analyzed, and then recommendations are developed and proposed. Ensuring that defense contractors are supplying systems that achieve their reliability goals and requirements is of primary concern.

Solution: SRC directly supports a number of assessments including: F-22 Raptor, F-35 Joint Strike Fighter, V-22 Osprey, Joint High Speed Vessel Program, Expeditionary Fighting Vehicle, Stryker Armored Combat Vehicle, AH-64D Apache, CVN-21 21st Century Aircraft Carrier, and UH-60M Blackhawk. SRC engineers review and analyze the program performance, policy, strategy, and cost to develop and propose actionable recommendations to position acquisition programs for success. These results support the decision making process of senior leadership from the Office of the Secretary of Defense. The major defense acquisition program assessments that SRC supports ensure that total system performance and total ownership costs are balanced as part of a robust systems engineering approach.

SRC CONSULTING SERVICES

SRC consulting services address your toughest reliability, maintainability, and supportability (RMS) challenges. Since 1968, we have provided integral support to our commercial and defense customers to achieve their RMS goals. Beyond identifying and assessing reliability goals and requirements, the trained and experienced reliability professionals at SRC provide expert support to improve your bottom line and meet your customer and mission requirements through:

- Training in reliability and related disciplines
- Benchmarking of your products, processes, standards, and metrics against R&M best practices
- Developing and implementing RMS program plans
- Facilitating RMS tasks (i.e., FMEA, R&M assessment, sparing analysis, etc.)
- Optimizing maintenance using reliability-centered maintenance techniques
- Developing effective accelerated test strategies and procedures
- Conducting root cause and statistical analysis of problem areas
- Collecting and analyzing your data for customized engineering solutions
- Providing practical tools for engineers

The Alion SRC is ready to help you improve the availability, readiness, and total cost of ownership for your product. To get started, contact us today.