

Air and Missile Defense Radar

The Air and Missile Defense Radar (AMDR) team is presented the David Packard Excellence in Acquisition Award for its exemplary execution of cost saving and risk reduction initiatives in the pre-Engineering, Manufacturing and Development (EMD) phase of this mission-critical Major Defense Acquisition Program. Through the application of Should Cost management activities, the team secured \$271M in savings from FY12-FY18 as well as reduced Program Acquisition Unit Cost (PAUC) from \$714M at Milestone A to \$284M at Milestone B without significant capabilities impact. Furthermore, in using multiple Fixed Price Incentive Firm Target contracts for competitive Technology Development phase prototyping, the team incentivized its contractors' continual improvement of their key Line Replaceable Units' (LRU) designs, which were so successful that the AMDR team was able to justify LRU basis of estimate refinements that decreased the program's Average Procurement Unit Cost (APUC) by more than \$100M from Milestone A. This reduction, combined with the challenging of other assumptions in the cost estimate, reduced AMDR's Operation and Support cost per system per year by more than 50%. In addition, AMDR's EMD Acquisition Strategy, which called for Low Rate Initial Production (LRIP) to be executed as a series of options to the EMD contract, encouraged competing Contractors to offer the Navy the best possible pricing on the EMD phase and LRIP. It likewise provided a highly structured, controllable incentives program that will mitigate EMD risks and ensure AMDR meets the DDG 51 Flight III program's In Yard Need Date. Lastly, the incorporation of a second source strategy in the Request for Proposal will allow key assemblies of the radar to be procured from multiple suppliers, ensuring competition in the production phase. Through its efforts, the AMDR team is ensuring that the integrated air and missile defense requirements for multiple ship classes will be fulfilled, providing multi-mission capabilities that support long range detection, tracking and discrimination of ballistic missiles, as well as Area and Self Defense against air and surface threats.