Demayne D Collins
1807 Regiment Way
Frederick, MD. 21702
E-mail: collinsd73@gmail.com

Professional Summary

Work Experience (July 2010-Present)

Senior Systems Engineer
International Programs Office Washington Navy Yard
Naval Sea Systems Command
1333 Isaac Hull Ave, SE
Washington, DC 20376-0001
Clearance: Department of Defense, Top Secret with SCI, April 2013
DAWIA Certification: Level III Systems Engineering

Managed the Nulka Counter Advanced Threat (CAT) weapons program and coordinated the daily operations of the project office including security, finance, and contracts. Prepared and reviewed both technical system engineering and acquisition documents in support of ACAT I –III programs. Prepared over 20 budgets, POM submissions, congressional briefings, and program management status updates to senior management.); plans, directs and establishes policies and procedures to assure effective integration & operation of HM&E systems; establishing procedures required to identify and translate Top Level Requirements (TLRs); and providing engineering guidance to technical community.

Lead Project Engineer for the Enhanced (E Nulka) decoy prototype technology development phase, in order to facilitate and provide a future Electronic warfare (EW) capability upgrades to the fleet. Worked with the contracting officer and the cost analysis team to evaluate 5 Response to Proposals (RFPs) and identify areas for cost reduction and efficiency. Developed and prepared over 20 Technical Advisory Reports for contract proposals in order to ensure cost was fair and reasonable.

Organized and prepared 3 System Requirements Reviews (SRR) in preparation for Preliminary design review (PDR) and Milestone B exit criteria in order for the Enhanced Nulka decoy variant to become a program of record. Applied Advance system engineering principles and procedures for the Enhanced (E Nulka) decoy in order to translate quantified needs/requirements into system performance parameters, for the identification of system/item configuration.

Serves as the lead Contracting Officer Representative (COR) for the Nulka Counter Advance Threat (CAT) decoy Technology development contract valued at over a $100M. Works with the contracting officer and the cost analysis team to evaluate proposals and identify areas for cost reduction and efficiency. Developed and prepared over 20 Technical Advisory Reports for contract proposals in order to ensure cost was fair and reasonable.

Skilled Systems Engineering leader for an Integrated Product Team (IPT) leader for a group of engineers and technical personnel engaged in the management and execution of one or more life cycle phases of weapons systems

development. Plans, directs and coordinates and integrates the research, design, development, engineering, quality assurance, acquisition, production, logistic support and training in accordance with accepted Systems Engineering policies associated with the assigned weapon systems

Participated in the development and preparation of milestone B documentation for the Counter Advance Threat (CAT) weapons program, and worked with Chief System Engineer of IWS 2 to develop and prepare updated system engineering plans and objectives. Applied rigorous system engineering principles and procedures in order to translate requirements into system performance parameters, for the identification of system/item configuration.

Prepared and submitted written and oral reports to higher authorities on significant accomplishments, trends, problems, and reports of plans and progress. Obtain, analyze, and evaluate test data, schedules and observes laboratory and field tests and reports.

Served as the recognized engineering expert who is a consultant to 5 Decoys Branch Principal Associate Program Managers, with the responsibility for directing, managing, chairing, advising and reporting on engineering studies, projects, and experiments associated with passive decoys. Evaluated 10 integrated designs that are applicable to passive decoy programs. Initiate planning, research, development, acquisition, integration, and life cycle support development for future passive decoy programs.

Applies experience with past systems and their particular effectiveness in combination with completely new concepts and extended developments to provide capable, cost-effective and operationally supportable Surface Electronic Warfare decoy systems.

Assigned as the lead Combat Systems Engineer for Advanced Capability Software Builds for computer program development in support of Aegis Ballistic Missile Defense ships.

Serves as the lead engineer during Interface Working Group engineering discussion meetings in collaboration with industry and FMS (Foreign Military sales) customers.

Performed contracting Officer Representatives duties as assigned to support contract negotiations, independent government estimates, and technical evaluation reports to assist the procurement contracting officer in determining cost realism on proposals valued at ~ $400M.

Education:

College/University
Clarkson University (08/7/1996 - 10/17/1998) Potsdam, New York
Degree: Master of Science in Mechanical Engineering

Tuskegee University (09/05/1991 to 05/12/1996) Tuskegee, Alabama
Degree: Bachelor of Science in Aerospace Engineering

Defense Acquisition Certificates

Level III Engineering
Level III Program Management
Level I Contracting

Computer programming languages and web-based frameworks
Python, Matlab, HTML and CSS, Java, Javascript, Kotlin, and Django