



ABBOTT ON CALL

SBA CERTIFIED WOMAN OWNED BUSINESS

1577 Spring Hill Road, Suite 450, Vienna, VA 22182 (703)992-7603

Test & Evaluation Engineer – Maritime Systems Integration

Location: Tysons, VA/Remote | **Type:** Full-Time | **Clearance:** Must be a U.S. Citizen and able to obtain a Secret-level Security Clearance | **Travel:** Up to 25%

About the Role

Abbott On Call is seeking a highly motivated Test & Evaluation Engineer to support the planning, coordination, execution, and analysis of operational test events for advanced manned and unmanned maritime systems supporting the U.S. Navy. This role is ideal for an engineer who enjoys working at the intersection of systems engineering, technical integration, and field operations.

As a member of our Test & Evaluation team, you will work alongside government customers, senior engineers, technical program managers, and fleet personnel to deliver complex test events from initial planning through final reporting. You will help integrate emerging technologies, coordinate multidisciplinary engineering teams, troubleshoot technical issues, and ensure mission objectives are successfully achieved.

The ideal candidate thrives in dynamic environments, enjoys solving challenging engineering problems, and is comfortable supporting both office planning activities and hands-on execution during field events.

Key Responsibilities

Test Planning & Execution

- Develop and maintain detailed test plans, schedules, milestones, and technical documentation for engineering and operational test events.
- Coordinate logistics, personnel, equipment, facilities, and support services required for successful execution.
- Translate customer objectives into executable engineering and test plans.
- Track action items, risks, technical issues, and dependencies throughout project execution.

Systems Integration & Engineering Support

- Coordinate integration activities across software, hardware, communications, and mission systems.
- Participate in system integration, verification and validation, troubleshooting, and operational assessments.
- Assist with interface verification, configuration management, and system readiness activities.



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- Review technical documentation, engineering procedures, and test objectives for completeness and accuracy.

Field Testing & Operational Support

- Support in-person operational demonstrations, fleet exercises, and developmental testing at various military installations.
- Coordinate on-site engineering activities with government customers, contractors, and military personnel.
- Identify technical issues, support troubleshooting efforts, and document lessons learned.
- Prepare post-test reports, technical recommendations, and engineering summaries.

Customer & Team Collaboration

- Interface directly with government customers, engineering teams, and fleet personnel.
- Prepare technical presentations, status updates, and civilian and military executive briefings.
- Support proposal development, technical reviews, and customer demonstrations.
- Contribute to continuous improvement of engineering processes, test execution, and documentation.

Required Qualifications

- Bachelor's degree in Mechanical Engineering, Electrical Engineering, Systems Engineering, Aerospace Engineering, Marine Engineering, or a related ABET-accredited engineering discipline.
- 3–7 years of engineering experience supporting testing, systems engineering, integration, verification and validation, or technical program execution.
- Experience coordinating complex engineering projects involving multiple stakeholders.
- Strong understanding of engineering documentation, requirements management, and technical problem solving.
- Ability to work independently while collaborating effectively within multidisciplinary teams.
- Excellent written, verbal, and presentation skills.
- Ability to travel up to 25%, sometimes with minimal advanced notice.
- U.S. Citizenship with the ability to obtain and maintain a Secret Security Clearance.



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Preferred Qualifications

- Experience supporting U.S. Navy, Department of Defense (DoD), or other federal customers.
- Experience with maritime systems, unmanned systems, autonomy, or mission system integration.
- Experience writing test plans, test objectives, and test reports.
- Experience supporting operational test events, fleet exercises, or customer demonstrations.
- Active DoD Secret Security Clearance.

What You'll Gain

This position offers the opportunity to work directly with cutting-edge maritime technologies supporting national defense. Engineers in this role gain firsthand experience with systems integration, operational testing, government customer interaction, and large-scale engineering demonstrations while working alongside highly experienced engineers and Navy stakeholders.

About the Company

Abbott On Call is proud to offer highly competitive salaries, a flexible work environment, and invaluable firsthand experience delivering mission-critical solutions for our customers. Our employees are our greatest asset, and our competitive benefit options are designed to support and protect our employees and their families. We offer robust Medical, Prescription, Dental, and Vision coverage, Life, Short-Term, and Long-Term Disability Insurance. We enable you to shape your financial future with a self-directed 401(k) and Tuition Reimbursement program. We promote a healthy work-life balance with flexible scheduling and a generous PTO program. Apply to join our team and work alongside peers with unmatched expertise in a workplace environment that fosters learning, innovation, and professional growth.