

**RICHARD T. WALKER**  
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Citizenship: U.S.

Security Clearance: SECRET (previously held)

**SKILLS SUMMARY:** Thirty years professional engineering and project management experience in positions of increasing responsibility and engineering capabilities at the Coast Guard Research and Development Center in Groton, Ct. Served as Project Manager, Senior Scientist, and Acting Branch Chief in areas of Ocean Engineering, Navigation Safety, Waterways Management, Emergency Response and Port Security. Developed, planned, managed and executed a variety of R&D projects through analytical and engineering studies, field work, testing and contracted support. Positions required continued growth in professional engineering knowledge and management skill and the application of this knowledge to solve unique and non-routine problems. Developed effective communication skills to generate funding support and to promote and report on R&D projects and results. Developed project management and leadership skills while managing project teams, serving as Acting Branch Chief, and other positions of responsibility.

**EMPLOYMENT HISTORY:**

**MOLCHAN MARINE SCIENCES,**  
**Maritime Safety and Security Specialist,**  
**Contracts Manager**

**5/08 to present**

Contract manager supporting U.S. Navy DDG 1000 programs as a sub-contractor working with the Bath Iron Works team as well as the Northrop Grumman team. Project and contract manager supporting government and civilian maritime safety and security programs

**DEPARTMENT OF HOMELAND SECURITY, U.S. COAST GUARD**  
**Research and Development Center**  
**General Engineer (GS-801-13)**

**1/78 to 4/08**

**6/01 to 4/08**

Project manager for multiple projects within the Port Security and Law Enforcement Branch. Managed the development of a suite of tools for improving the CG's underwater port security mission capabilities. The Integrated Anti-swimmer System (IAS) includes an active sonar detection capability; an advanced long range underwater loudhailer, and a non-lethal diver interdiction system. The system was researched, integrated, tested and fielded in less than three years.

Also monitored and evaluated the development of Low Cost Underwater Threat Detection Systems for DHS under the SBIR program.

Managed the development of the Coxswain Enhanced Vision System (next generation night vision) for improved night ops capability for CG small boat operators.

Served as Project Manager for WMD DECON Test and Evaluation, to assess the feasibility of the Coast Guard developing an organic capability to decontaminate CG small boats and their crews after operating in a contaminated environment.

**General Engineer (GS-801-13)**  
**Supervisor: Rich Hansen (860) 441-2866**

**12/90 to 6/01**

Serve as Project Manager for engineering research projects in the Waterways and Marine Safety Division. Prior to reorganization, served as Senior Scientist and Program Area Manager for Short Range AtoN Research in the Navigation Systems Branch. Managed 6-8 people in the Short Range Aids to Navigation Section. Served as acting Branch Chief in his absence.

Managed multi-year research projects for Waterways Management Assessment (WMA) and System Analysis of Aids to Navigation (Aid Mix). Wide range of responsibilities includes developing, planning, executing, managing and documenting project work. Managed project team of ten professional engineers and scientists. Also managed a number of navigation safety-related projects, including a worldwide buoy technology survey and a new buoy design for major floating aids. Managed the development of several software products also designed to improve the efficiency of the SRA Program. Participated in Independent Operational Assessment of new CG buoy tender design. Reviewed buoy deck layout and handling equipment to ensure compatibility with new buoy designs, thus avoiding significant refit costs when new buoy system comes on line.

Other responsibilities:

- Strategic planning; Develop R&D Project concepts and proposals
- Market progress, results and capabilities
- Performance evaluations of SRA section and project staff
- Procurement of goods, services and technical support; COTR
- Pilot group for evaluation of R&D Management Information System
- Peer review of technical reports, papers and correspondence
- Hosted 1994 Federal Waterways Management R&D Coordination Conference

**General Engineer (GS-801-12)**

**1/84 to 1/91**

Worked as Project Manager and Project Engineer on technical R&D projects in the Ocean Engineering Branch. Position required the application of ocean engineering theory and practice to the design, development, construction, evaluation and improvement of unique CG mission related hardware and techniques for use above and below the water.

Accomplishments:

- Designed and field tested a system for monitoring barges to prevent illegal ocean dumping.
- Conducted structural analysis of new Island Class Patrol Boat. Identified structural inadequacy which resulted in changes in loading and operational envelope.
- Studied and reported on underwater inspection techniques for tension leg platforms.
- Investigated advanced technology with applications to new buoy tender design.
- Conducted field test to measure motions of navigation buoys.
- Evaluated systems for Q-route survey (mine detection) for Defense Readiness Mission.
- Evaluated unmanned underwater vehicles for application to CG missions.
- Conducted field tests to determine safe powering levels for recreational boats.
- Assisted NTSB by conducting underwater search for downed commuter aircraft.

**EDUCATION:**

Master of Science Degree in Ocean Engineering - 1978

University of Rhode Island, Kingston, RI 02881

Bachelor of Science Degree in Physics - 1973

Tufts University, Medford, MA 02155

Graduated Lunenburg High School, Lunenburg, MA 01462 -1969

**OTHER SKILLS AND QUALIFICATIONS**

- Experienced with standard computer hardware and software, including Microsoft Office applications as well as electronic charting and navigation systems
- Experienced vessel operator; Hold 100 Ton CG Captains License
- Certified SCUBA Divemaster