



SURFACE ELECTRONIC WARFARE IMPROVEMENT PROGRAM (SEWIP)

Client: Naval Research Laboratory

Task:

The Naval Research Laboratory (NRL) Surface Electronic Warfare Systems (SEWS) Branch is responsible for identifying concepts; defining system requirements; fabricating, integrating and testing critical system components; and developing required programmatic documentation in support of the Program Executive Office (PEO) Integrated Warfare Systems (IWS). Support required under this contract includes engineering and technical support for new-generation Electronic Warfare programs and Advanced Technology Demonstrations (Tads) that will be integrated into ship's combat systems.

Solution:

INNOLOG provides engineering and technical analysis and subject matter expertise in the resolution of technical issues regarding requirements, implementation, and integration and test of multiple contractor components, sub-systems, and systems. We identify issues concerning conflicts between hardware being developed by the Prime Contractor and the software to be provided as Government Furnished Property (GFP). The Washington Navy Yard (WNY) Staffs participates in technical meetings and supports the Integrated Product Team (IPT) structure used by the government to technically manage programs. We provide independent assessments and trade analysis concerning implementation options for hardware and software architecture that best meet the requirements for portability, robustness, and use of open standards. We coordinate with contractor and Government personnel in reviewing technical documentation during the design of both computer software and hardware. We assist government personnel in Program Management, and coordinating/supporting program meetings and technical reviews; developing program schedules and risk management plans as required. We provide technical expertise in the identification and development of EW base technology projects, as needed, to support advanced development efforts, and participating in the development of EW unique algorithms and hardware/ software implementation. And we participate in the requirements generation process, including supporting working groups, to establish operational capabilities and associated technical specifications for both the Technology Development and System Development and Demonstration (SDD) phases.

Value:

- Stable workforce.
- Consistently provides high quality personnel and deliverables.
- Efforts contribute to meeting program schedule and milestones.