



An Innovative Information Assurance Program to Support Military Network IA Certification

With strong support from the Navy's Chief Technology Transition Office, coupled with a very successful SBIR program conducted over the last five years, Progeny Systems has developed a set of Information Assurance tools and solutions that are currently being integrated into the VIRGINIA Class Submarine Tactical Combat System. These same products are planned for introduction into the entire US Submarine Force beginning in 2004. These products are applicable to Naval Surface Ship Systems and nearly any military or commercial COTS based IP networked system where sensitive data needs to be protected from compromise, or malicious destruction or modification. For the VIRGINIA Class, these tools will provide sensitive data information assurance and protection during all phases of a submarine's operational deployment. This is especially important during and after critical, sensitive, highly classified missions where data compromise or loss is of serious concern. These products have been evaluated by Certification and Accreditation (C&A) authorities (e.g. National Security Agency, Office of Naval Intelligence, and others) and are considered crucial in being able to obtain submarine platform level IA certification. These tools represent a combination of products that perform a number of critical functions in sensitive data protection.

Benefits and Application

- System engineered IA solutions that consider all data and network vulnerabilities.
- "Data-in-Motion" (DIM) highly controlled data encryption schemes that supports SCI data transfer over exposed fiber optic cabling.
- Network Data Protection through the use of trusted enclave gate guard technologies, preventing TS/SCI data leakage to unauthorized networks or users.
- "Data-at-Rest" (DAR) system clearing technologies that coordinate and systematically clear all sensitive data from all networked system persistent memory devices to allow for system operational transition to GENSER from an SCI posture.
- System level intrusion detection and armoring to detect & prevent malicious destruction or modification of data.

For more information about Progeny Systems or the Information Assurance Project:

9500 Innovation Drive

Manassas, Va 20110

(703) 368-6107

rdostie@progeny.net



Supports Net-Centric Warfare Information Assurance

Progeny's IA Solutions are key in the obtainment of submarine system level IA certification



All Sharing Sensitive Information Using COTS Standards