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Atlantic Zone). Additional information on the Dahlgren Division can be located at http://www.nswc.navy.mil/wwwDL/; http://www.ncsc.navy.mil/; and http://www.navseadn.navy.mil/. Dahlgren Division technical capabilities are:

- **Warfare Analyses and Modeling** - This capability identifies strengths and weaknesses of warfare systems in meeting national objectives; conducts special studies to evaluate the effects of modifying force structure, targets, or tactics, and provides science and technology guidance. It provides assistance in developing requirements and options for future forces; developing and improving weapon systems; evaluating variations in threat scenarios and impacts of technologies; and assessing comparative capability versus costs for Forces, Warfare Mission Areas, and Systems.

- **Mission Planning and Targeting Systems** - This technical capability is specifically concerned with the development of mission planning and targeting systems for the tactical and strategic systems noted as well as with the development and application of technology to meet future needs. This applies to existing systems, evolving systems and to needs not previously identified by the Navy or other services.

- **Sensor Systems RDT&E** - Provide for the RDT&E of passive and active radio frequency (RF) and electro-optic (EO) sensors for naval warfare systems. This function is full spectrum, including RDT&E of exploratory, advanced and engineering development sensors and systems as well as lifetime systems engineering support and software support agent functions for fielded sensors and sensor systems. This capability also provides worldwide quick reaction support to the Fleet to develop new sensors, modify existing sensors and to develop and evaluate sensor countermeasures in times of crisis.

- **Combat and Weapon Control Systems** - Specifies and leads the development and support of combat and weapon control systems for the Navy's surface ship Fleet. Includes analyses, technology development, integration and evaluation, and testing of combat and weapon control systems. Also includes all the capabilities, functions, components, and elements required to develop, systems engineer, test, and support the combat and weapon control systems from conception through their lifetime as well as adapting and transitioning new technologies and advanced capabilities to meet changing requirements.

- **Engagement Systems RDT&E** - Provides RDT&E and acquisition support for virtually every engagement system (including surface launched missiles and missile launchers, guns, gun ammunition, and ship launched decoys) aboard Navy surface ships – from technology development to shipboard integration. The most important role is to provide the systems engineering and integration required to transform a multiplicity of system elements into an effective warfare system. This process involves the flowdown of requirements necessary to define the specifications for new weapon systems, product improvements, and shipboard modifications.

- **USMC Weaponry Systems RDT&E** - Provides the technology base and conducts RDT&E to develop and demonstrate technologies to meet the USMC unique weapons responsibility for expeditionary missions, amphibious warfare, and subsequent operations ashore. This responsibility includes the design and development of new systems or components, product improvements enhancing the military performance of existing systems or components, the neutralizing of deficiencies in stated requirements, and weapons system acquisition.

- **Strategic Systems** - The mission in strategic systems is technology advancement, systems engineering, software development, and operational support for Navy strategic systems. The current Navy strategic weapons system focus is on the SLBM system, especially in the areas of weapons control, targeting, and reentry systems. It addresses all United States and United Kingdom (U.K.) SLBM systems. Development of SLBM modernization concepts and new system concepts (e.g., SSGN) is also supported.