5.0 Strategic Weapons Systems

This Product Area Directorate encompasses the following core equities:

- **Targeting and Shipboard Subsystems -** Provides the engineering and technical oversight capabilities required to support the Navy strategic missile and re-entry systems. The Submarine Launched Ballistic Missile system (SLBM) is the primary focus supported by this core equity. Specific areas include fire control, targeting, launcher, and other shipboard subsystems. Supports the acquisition and ownership of the software and hardware needed shipboard and at U.S. Strategic Command for targeting and launching Navy Strategic systems. Through the capabilities and corporate knowledge inherent within this core equity new technologies and advanced capabilities are developed, adapted and transitioned to meet emerging strategic weapons system needs.

- **Missile and Re-entry Systems -** Provides the engineering, technical oversight, and facilities to support acquisition and ownership of Navy strategic missile and re-entry systems. Supports development of missile propellants and materials technology for SLBMs, and the assessment of the effects of nuclear environments on re-entry body performance. Includes support of the FBM Microelectronics Program, including component modeling, theoretical analysis, device development, and experimental analysis in both radiation and normal environments. A key element is the development and maintenance of unique design, performance, and test data for re-entry systems. Contributes to the government capability and corporate knowledge base for developing, adapting and transitioning new technologies and advanced capabilities to meet emerging strategic weapons system needs.

- **Weapons System Level Analysis, Testing and Evaluation -** Provides the capability to analyze, test, and evaluate systems which includes support of flight tests through both pre- and post-flight analysis, system accuracy and performance assessment in support of targeting, and management of problems reported by operational forces. Functions are provided for Navy Strategic systems and specifically the SLBM systems. Key products and services produced include Technical Program Management (TPM) requirements for acquisition and maintenance of SWS systems, evaluation of contractors and SSP field activities, and management of the TFR program. Provides the critical capability and corporate knowledge base to allow for effective development, adaptation and transitioning of new technologies and advanced capabilities to satisfy emerging strategic weapons system needs.

- **Non-nuclear Strategic Weapons Systems -** Provides the engineering, technical oversight, and facilities to support acquisition and ownership of the Navy's non-nuclear weapon systems deployed on strategic missiles or platforms or used in a strategic role. There is a growing role for such systems including on some of the SSBNs that will be converted to SSGNs, i.e. cruise missile platforms. Provides the critical capability and corporate knowledge base to allow for effective development, adaptation and transitioning of new technologies and advanced capabilities to satisfy emerging strategic weapons system needs.

6.0 Ordnance

This Product Area Directorate encompasses the following core equities:

- **Warheads, Rockets, Ammunition and Other Ordnance Systems -** Provides research, design, development, analysis, modeling, engineering, test, manufacture, acquisition, system integration, and industrial base, fleet and operational support. These functions are provided for energetic systems including Propellant Actuated Devices (PADs), aircrew escape propulsion systems, gun ammunition, rockets, missiles, Jet Assisted Takeoff Systems (JATOS), warheads, and other propellant or explosive filled ordnance. Much of the capability of this core equity has no or limited commercial equivalence, therefore it operates as a national resource for uniquely military requirements