

CULTURE

We are highly qualified and committed military, civilian, and industry professionals working together with relentless **dedication** towards sea based strategic deterrence. We earned our credibility through decades of technical **excellence** and overcoming challenges as a team.

Our success is rooted in our people. We thrive through **collaboration**.

We are SSP. **One mission. One family.**

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SEA BASED STRATEGIC DETERRENCE

SBSD IS THE **FOUNDATION** OF OUR NATIONAL DEFENSE

In today's threat environment, strategic deterrence is foundational to our national defense. Every Operation Plan (OPLAN) across the Department begins with the assumption that strategic deterrence will hold. A safe, secure, and effective nuclear force remains the most credible combination of capabilities to deter strategic attack and execute our national strategy.

- Admiral Charles A. Richard, Commander, USSTRATCOM

SBSD provides **70%** of the nation's deployable nuclear warheads.



SUSTAINMENT

Strategic Systems Programs (SSP) is committed to supporting currently deployed operational weapons systems, including OHIO class SSBNs, the TRIDENT II D5 Strategic Weapons System (SWS), and the W-76/88 family of nuclear warheads. Simultaneously, SSP will maintain and modernize SWS supporting shore-based infrastructure and capabilities necessary to sustain the OHIO class to end of life and support COLUMBIA class fleet introduction.

- **14 U.S. OHIO class SSBNs constitute the “Crown Jewels” of the U.S. arsenal** and will remain in service until 2042.
- **SWS Life Extension (D5LE) program ensures continued weapon performance** by upgrading aged components and subsystems of the TRIDENT II D5 Missile.
- **Shipboard modernization** of the D5 SWS to achieve greater weapon system capability and flexibility.
- **Recapitalization of existing infrastructure** will optimize “Factory in the Field” production and deployment.
- A robust **Nuclear Weapons Surety (NWS) Program** continues protecting nuclear weapons from unauthorized access, damage, or loss of control.
- NWS leverages a comprehensive **Transit Protection Program and Integrated Nuclear Weapons Security System** to keep assets secure.

DEVELOPMENT

SBSD 2084 credibility is absolutely dependent on the continual modernization of the weapon system to counter emerging and future threats.

OHIO to COLUMBIA Transition

- Designated as the Nation’s #1 defense procurement program, the minimum **12 COLUMBIA class submarines** will feature electric propulsion, improved quieting, a “life of the hull” reactor core, and 16 missile tubes.
- Program Executive Officer SSBN, SSP and industry partners are developing the **Common Missile Compartment (CMC) for the UK DREADNOUGHT and COLUMBIA**, which will house D5LE and ultimately D5LE2 missiles.
- **COLUMBIA begins strategic deterrence patrols in 2030 armed with D5LE missiles**, with anticipated deployment of D5LE2 missiles in 2039.
- **The Strategic Weapons System Ashore (SWSA)** provides life of system shore-side capability for testing, modernization, and risk reduction of the COLUMBIA and DREADNOUGHT CMC program.

Weapons System Development

- Following design, development, and testing of **D5LE2** in the late 20’s to the mid 30’s, COLUMBIA class will be loaded out with the new missiles starting in **2039**.
- **The D5LE2 program** will utilize a **model-based engineering approach** to efficiently plan and develop replacements for obsolete components, while building **flexibility and adaptability** into the system.
- **Navy W93/Mk7 warheads will modernize the nuclear stockpile** and leverage expanded D5LE2 capabilities to meet future warfighter requirements.
- **Nuclear command, control, and communications (NC3)** are approaching obsolescence, and the U.S. Strategic Command is investing in modernization to ensure effective deterrence well into the 21st century.
- SSP’s **Conventional Prompt Strike (CPS) program** is designing and developing premier non-nuclear weapon systems for land, surface, and submerged platforms to provide a multi-service conventional deterrent and enable battlefield dominance by the late-2020’s.
- **Underwater Launch Test Facility** provides developmental test facilities for the new CPS missile as well as future underwater launch capabilities.

PEOPLE, INFRASTRUCTURE, AND INDUSTRY

The American defense professional, given the best tools and resources, keeps our Nation safe with a credible sea based strategic deterrent. **Investment in the future will keep SBSB credible through 2084.**

- SSP recognizes that acquiring and retaining top talent is the ultimate key to our continued success. **People** design, develop, produce, sustain, and operate our strategic capabilities. **Our culture is, and must remain, our true competitive advantage.**
- Navy Nuclear Deterrence Mission and Nuclear Weapons infrastructure is approaching the end of its design service life. **Production and industrial infrastructure** must be modernized to support a new COLUMBIA class submarine, D5LE2 SWS, and W93/Mk7 reentry systems.
- SSP and our industry partners will reinvigorate, diversify, and enhance the **domestic industrial base** in support of strategic nuclear and strategic conventional deterrence programs.



UK PARTNERSHIPS

- The United Kingdom has been an integral partner with SSP since 1963 through the enduring **Polaris Sales Agreement**, which reflects the special relationship between our two Nations.
- The United Kingdom’s VANGUARD class SSBN will be succeeded by the **DREADNOUGHT class SSBN and will utilize the CMC** to promote affordability.
- The Royal Navy has delivered a **Continuous At Sea Deterrence (CASD)**, without pause, since April 1969.
- The UK will use D5LE configured missiles and reentry body aeroshells containing **sovereign nuclear packages**.
- The **TRIDENT II SWS is 100% of the UK’s strategic deterrent**.

