NAVSEA SBIR/STTR 101

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Who We Are
Mission:
We design, build, deliver and maintain ships and systems on time, on cost for the United States Navy.

Vision:
We are the Nation’s team accountable for the health of its Navy
• We must purposefully operate to ensure the U.S. Navy can protect and defend America.
• We must be supported by a modern, efficient industrial base.
• We must be a world-class employer of choice that inspires innovation.
• We must set the value-added standard for acquisition, engineering, business and maintenance.
NAVSEA is in Your Backyard

New Jersey
AEGIS Technical Representative

Pennsylvania
NSWC Ship Systems Engineering Station
Naval Sea Logistics Center
Navy Foundry and Propeller Center

Rhode Island
NUWC Headquarters
NUWC Newport

South Carolina
Naval Nuclear Power Training Unit

Virginia
Norfolk Naval Shipyard
SUPSHIP Norfolk Port
NSWC Dahlgren
Combat Direction Systems Activity
Surface Combat Systems Center
AEGIS Ballistic Missile Defense
Commander Naval Regional Maintenance Center
Norfolk Ships Support Activity
Surface Maintenance Engineering Planning Program

Washington
Puget Sound Naval Shipyard & Intermediate Maintenance Facility
NUWC Keyport

Washington DC
NAVSEA Directorates & PEO’s
NSWC Headquarters

California
NSWC Corona
NSWC Port Hueneme
Southwest Regional Maintenance Center

Connecticut
SUPSHIP Groton

Florida
NSWC Panama City
Naval Experimental Diving Unit
Southeast Regional Maintenance Center

Hawaii
Pearl Harbor Naval Shipyard & Intermediate Maintenance Facility

Indiana
NSWC Crane

Maryland
NSWC Carderock
NSWC Indian Head
Naval Ordnance Safety & Security Activity
Naval Explosive Ordnance Disposal Technology Division

Maine
Portsmouth Naval Shipyard
SUPSHIP Bath
Submarine Maintenance Engineering, Planning & Procurement

Mississippi and Louisiana
SUPSHIP Gulf Coast
Focuses on the design, construction, and delivery, and life-cycle support of all aircraft carriers and the integration of systems into aircraft carriers.

Manages surface ship and submarine combat technologies and systems, and coordinates Navy Open Architecture across ship platforms.

Responsible for acquiring and maintaining the littoral mission capabilities of the LCS class ship.

Manages acquisition and complete life-cycle support for all U.S. Navy non-nuclear surface ships.

Manages acquisition and complete life-cycle support for submarines and advanced undersea and anti-submarine systems.

Focuses on the design, construction, delivery, and engineering requirements for SEA05, Naval Special Warfare, Explosive Ordnance Disposal, and Divers.
NAVSEA SBIR Program Budget

Yearly NAVSEA SBIR Budgets for Phase I and II

"Recommend a Research Topic"
http://www.navsea.navy.mil/Business-Partnerships/SBIO/
SBIR/STTR Timeline

Timeline

**Year 1**
- Topic Development*/
  BAA Process

**Year 2**
- Feasibility
  Demonstration

**Year 3-5**
- Technology Development/
  Prototype Experimentation

**Year 6-8**
- Prototype Testing & Evaluation
  Technology Demonstration & Validation

**Year 8+**
- CRP Phase II

*Phase 0*
- Any time prior to
  topic release

*Phase I / Opt*
- $225K/12mos

*Phase II / Opt*
- $1.5M/ 24-36mos

*CRP Phase II*
- NTE $1.5M SBIR
  (w/ Matching $) / NTE 36mos

*Phase III*
- Non-SBIR $
Beyond FY19.1 / A Topics

- Total Ownership Cost (TOC) Reduction
- Cybersecurity Products and Processes
- Design for Enhanced Learning Environments
- Tools & Management Systems to Facilitate On-time Delivery of Ships and Submarines
- Expand the Advantage through Increased Capability
• Topics are released three times a year for the Department of Defense
• NAVSEA generally participates in the .1 and .A cycles.
  – The next opportunity to participate will be the 19.1 and 19.A cycles.
    • Pre-release – Nov 18
    • Open – Jan 19
    • Close – Feb 19
  – Information Sites:
    • Information on the SBIR/STTR programs: www.sbir.gov
    • Information specifically for the Department of Defense: www.sbir.defensebusiness.org
    • Information specifically for the United States Navy: http://www.navysbir.com
  – BAA Pre-Release:
    • Traditionally 30-40 days prior to the BAA opening
    • Opportunity for a technical conversation with the Topic Authors
    • Chance to ask questions in a private setting
“The Power of SBIR!”

Technology Insertion and modernization budgets
• Develop once use many places
• Instant market for SBIR products/processes

CCSM
Darlington
SCS C4I & IM&M Technology
Combined Operations Wide
Area Network
Planning Systems
GCCS Development &
COTS Applications

DSR
Advanced Information
Systems
Software Migration Legacy
Trainer
Photonics Mast Workstation

MSI
Acoustics Sensors
RITE-Solutions
Mikel
Advanced Software
Trident Systems
Mobile Computing for
Submarine
Applications

TCN
OA Concepts

Acquisition Coverage
• Blanket coverage by
Major Ship programs
• Local coverage by PMOs

Leadership Commitment
• PEO leadership recognizes
value
• SBIR is centerpiece of SB
program in TSUB

VIRGINIA Class Submarine
SBIR Technologies for DDG 51 Class Ships

- LED Lighting
- Advanced Bridge Windows
- Corrosion Preventative Coverings
- Flight Deck Safety Nets
- Energy Dashboard
- Fuel Management Decision Aid
- Bulkhead Shaft Seal
- On-line Wireless Vibration Monitoring
- High Temperature Superconducting Degaussing
- Flight Deck Lighting Controls
Active NAVSEA SBIR Contracts
Proposal Submission

• Proposals contain the following information:
  – Phase I proposals are limited to 20 pages, including resumes for key personnel (template is available).
    • Problem
    • Objective
    • Statement of Work
    • Related work
    • Relationship with future Research or (R&D)
    • Commercial Strategy/Key Personnel
  – Proposals are rated on three criteria areas:
    • Technical Merit (40%)
    • Quality of Personnel (30%)
    • Commercialization Potential (30%)
  – Debriefs to unsuccessful companies.