Gold Coast Small Business Event

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26 August 2015
The U.S. Submarine Force consists of 56 attack submarines (SSNs), 14 ballistic missile submarines (SSBNs), and 4 guided missile submarines (SSGNs)
Team Submarine Portfolio

- VIRGINIA Class SSN
- OHIO Class Replacement
- Torpedo Defense Systems (Surface Ship and Submarine)
- Periscopes, Photonics, Imaging Systems
- Integrated Undersea Surveillance System
- Electronic Warfare Systems and Antennas
- Sonar Systems and Sensors (A-RCI)

- MK 48 Heavyweight Torpedo
- MK 54 Lightweight Torpedo
- Advanced Undersea Systems
- In-service Dry Deck Shelters
- Submarine Safety and Quality Assurance
- Submarine Trainers
- Submarine Rescue
- Undersea Technologies
- Combat and Weapons Control System (AN/BYG-1)
TEAM SUB FY16 SBIR Focus Areas

- Algorithms for Sonar, Fire Control System, Torpedoes, Imaging, ESM and RADAR
- Submarine training technology
- Life cycle cost reduction
- Reliability improvement
- Material improvement
- Special Operations Forces Integration with host submarines
- Navigation System Improvements
- Torpedoes, Components and Torpedo Defense
- Unmanned Vessels and Vehicles
- Communications
- SUBSAFE
PEO-SUB SBIR Transitions

PEO SUB: >$1.5B in active Phase III Contracts!

Cardinal Engineering / Weidlinger
- Associates
  - Shock Analysis

www technologies
- Ship Control Architecture

CCSM
- Planning Systems Inc
  - GCCS Development & COTS Applications

DSR
- Advanced Information Systems
  - Software Migration Legacy Trainer
  - Photonics Mast Workstation

Rite Solutions
- Mission/engagement planning s/w

Progeny
- Audio Signals
  - Active Emissions
  - Information Assurance
  - AN/WLR-1 AI&R
  - Manning Reduction

Rite Solutions
- Combat System of the Future planning

Chesapeake Science Corp.
- TSMS Telemetry

Trident Systems
- Mobile Computing for Submarine Applications

TCNi
- OA Concepts

3-Phoenix
- Periscope image processing
- Sea trial periscope

Jackpine Technologies
- Common Submarine Radio Room Software

STERN / PROPULSION
- Towed Array Improvement
  - Fiber Tow cables
  - Fiber slip rings
  - Heading sensors telemetry

Chesapeake Sciences Corp

AUXILIARY MACHINERY ROOM
- METSS
  - Synthetic Lubricating & Hydraulic Oil

HULL
- Compudrive
  - Electromechanical Actuators

Seeman Composites
- Non-Autoclave Composite Systems and fairings

AAC
- Acoustic sensors

WEAPON LAUNCH, STOWAGE & HANDLING

Progeny
- Tools for VME Interactive Acoustic Analysis Process
- Multi Tube Weapon Simulator
- Common Weapon Launcher

Pacific Engineering Inc. (PEI)
- Ready Stow Group (RSG) Launch Cradle

TRI
- Composite Torpedo Room Temp
- Berthing and weapon handling cradles

SBIR Reasons:
1. Risk reduction
2. Technology insertion
3. Obsolete component replacements
4. Establish competition where there is none