

Partnering Opportunities Through Navy Technology Transfer and SBIR/STTR



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Michael D. Seltzer, Ph.D.
Head, NAWCWD Technology Transfer Program

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“Arming The Fleet”

Innovation/Transition



Wanted: Transition Partners



Traditional and non-traditional vendors

Rapid Development

Affordability

Interoperability

Navy Labs → (Your Company) → Warfighter

Partnering With NAWCWD

- Cooperative Research and Development Agreements (CRADAs)
- Patent License Agreements (PLAs)
- Navy SBIR/STTR Program

Cooperative Research and Development Agreements (CRADAs)

- CRADAs provide a contractual framework for collaborative R&D efforts.
- The non-Navy Collaborator is able to leverage unique resources and expertise, while exchanging in-kind support.
- CRADA participants have explicit rights to IP created during the collaborative effort, as well as favorable licensing circumstances.

Cooperative Research and Development Agreements (CRADAs)

- NAWCWD CRADAs have fostered the advancement of several weapons systems and support technologies.
- NAWCWD CRADAs have led to numerous licensing arrangements and commercial opportunities for Non-Navy Collaborators.
- Over 250 CRADAs have been executed since 1990 resulting in an estimated cost avoidance of \$120M+

Patent License Agreements

- NAWCWD has had notable success in obtaining patents on emerging technologies having inherent dual-use potential.
- Federal statutes permit the licensing of government-owned inventions, through which rights are granted for development and commercialization.
- Patent licenses are available for reasonable consideration to qualified, private-sector entities.

Patent License Agreements

Notable licensing transactions:

Alcohol-to-fuel conversion

CL-20 explosive

Exploding foil initiator

Lead-free primer formulation

Chemiluminescent light sticks

Multi-metals CEM

Hot Topics in NAWCWD Intellectual Property

Transparent Conducting Oxides

Supercapacitors

High-Energy Density Fuels from Terpenes

Imaging LADAR

Navigation in GPS-denied Environments

Energetic Materials

Fingerprint Technology

Optical Coatings

Automated Facial Recognition

Navy SBIR/STTR Program

Small Business Innovation Research (SBIR)

Small Business Technology Transfer (STTR)



Navy SBIR/STTR provides up to \$1M in early-stage funding to small businesses offering viable solutions that address designated Navy technology gaps.

The Navy solicits proposals from the small business community in response to technical topics generated by the Warfare Center and Fleet Readiness Center S&Es.

Navy SBIR/STTR Program

Phase I

Six-month proof-of-concept investigation (up to three contractors per topic)

Phase II

Two-year developmental contract with options for selected SB

Phase III (Transition)

Procurement by a program of record

Provisions for additional development if required

Questions? Comments?

