



Space and Naval Warfare Systems Center Atlantic

Office of Research and Technology Applications (ORTA) Technology Transfer at SSC Atlantic

SSC Atlantic Small Business and
Industry Outreach Initiative
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Stevenson-Wydler Technology Innovation Act of 1980*

- ▼ To promote the United States technological innovation for the achievement of national economic, environmental, and social goals, and for other purposes
 - Each Federal laboratory, employing 200 or more full-time equivalent scientific, engineering, and related technical positions shall establish an Office of Research and Technology Applications (ORTA).

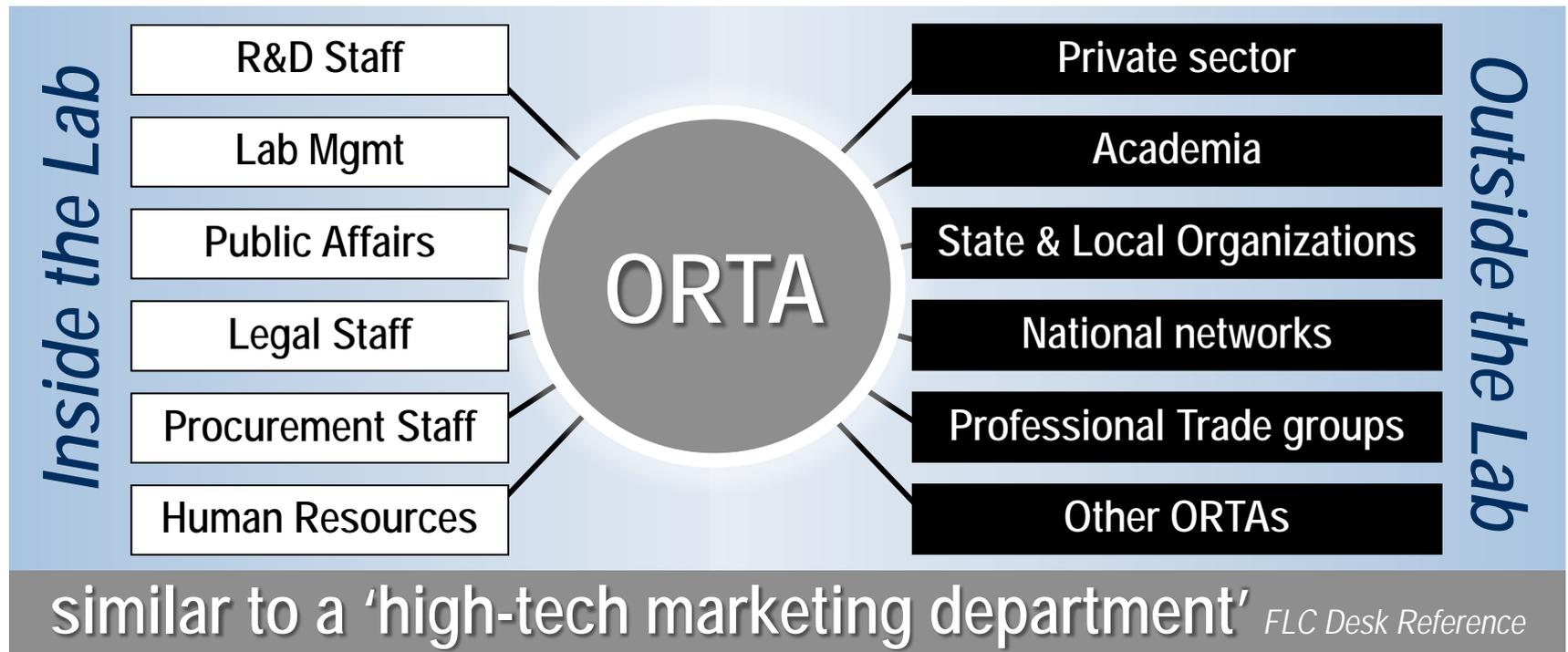
The purpose is to improve the economic, environmental and social well being of the US in a global economy by taking advantage of innovation developed with tax payer money in the Federal Labs.

*Public Law 96-480, October 21, 1980, 96th Congress

What is ORTA?

▼ ORTA is the Focal Point for Technology Transfer

- Technology broker **connecting people and organizations inside and outside the laboratory** who are essential to effective technology transfer



Technology Transfer

- ▼ The intentional communication of knowledge, expertise, facilities, and equipment, and other resources for application to military and non-military systems
 - Includes
 - **Spin-off** activities demonstrating commercial viability of DoD-developed technologies
 - **Spin-on** activities demonstrating national security utility of technologies developed outside DoD
 - **Dual-use** science and technology that develops technologies having both defense and non-defense applications

(DoDI 5535.8, p. 1-2)

ORTA Manager

- ▼ Main objective is to promote and support T2 in accordance with the laboratory's mission
 - ORTA manager at each laboratory must:
 - Make potential clients aware of the laboratory's technologies
 - Identify the value of utilizing the technology
 - Keep abreast of commercial market issues
 - Inform laboratory personnel on technology transfer

Success depends on person-to-person relationships forged outside and inside SSC Atlantic.

Technology Transfer Mechanisms

- ▼ CRADAs
- ▼ Limited Purpose CRADA
- ▼ Patent Licenses
- ▼ Memorandum of Agreement/Understanding
- ▼ Lab Selling Agreements
(Commercial Service Agreements)
 - 10 USC 2539b – Authority to sell, rent, or lend gov't equipment
 - 10 USC 2563 – Sale of articles and services not available from a commercial source in the USA
- ▼ Technical Assistance

- ▼ Partnership Intermediaries
 - Helps find private sector partners
 - Educates company to work with Federal labs
 - T2 Transactional Experts:
 - Helps company with application & commercialization plans
 - Helps parties on terms/expectations

Partnership Intermediaries

National



South Carolina



Working with SSC Atlantic

▼ SSC Atlantic brings to the table

- Knowledge
 - Patents, data & databases, software applications, and unprotected inventions
- People
 - Know-how and expertise
- Equipment
 - General and specialized
- Facilities
 - Installed equipment, laboratories, etc.

▼ Industry and Academia brings to the table

- World-class researchers and facilities
 - Collaboration on research and development ideas
 - Small and Large businesses
- Showcase Company's technologies & capabilities that are of interest to SSC Atlantic

Cooperative Research and Development Agreement (CRADA)

- ▼ **Navy Standard** - agreement between a Navy laboratory and a U.S. non-Navy commercial/state or local agency/academic collaborator
 - Research and/or development
 - Including test and evaluation
 - Exchange of intellectual property
 - Within mission
 - Well-defined role and goal in the SOW
 - Ideally with the potential to commercialize
 - No funding is exchanged
- ▼ **Navy Non-Standard** - agreement same as Navy Standard CRADA with
 - Classified material
 - Unclassified Military Critical technology
 - Three or more collaborators
 - Transferring funds to the Navy collaborator
 - Transferring SBIR funds to Navy collaborator
- ▼ **Limited Purpose** - agreement restricted to the exchange of existing equipment or material that collaborators need for their own research, test, evaluation, development or engineering activities
 - No joint work performed, used when a laboratory and *Non-Navy Collaborator have an interest in the research outcome
 - Leverages resources
 - Gain access to existing facilities
 - Addresses mutual interests
 - Lays groundwork

* Non-Navy Collaborator is not a consortium or a venture capitalist, and is not controlled by a foreign company or government

Cooperative Research and Development Agreement (CRADA)

▼ CRADA Process

- Identify areas of R&D and/or T&E that you would like to collaborate with SSC Atlantic
- Identify SSC Atlantic POC/research partner
 - SSC Atlantic funding
- Generate proposed SOW
- Complete application checklist
- Complete CRADA document
- SSC Atlantic review
- Non-Navy collaborator review
- Non-Navy collaborator approval
- SSC Atlantic approval

Repeat as necessary



Commercial Service Agreement (CSA)

- ▼ Process whereby government facilities can be directly paid by industry to perform services that are unique to the laboratory and not commercially available
 - *Title 10 USC 2539b*
 - Rent, sell, or lend government equipment or materials for use in IR&D programs
 - *Title 10 USC 2563*
 - Sale of articles and services not available from a commercial source in the USA

Patent Licensing

▼ Grant private sector party(ies) the right to make, use, or sell Navy inventions.

- ❖ This is done as part of efforts to ensure full use of the national investment in research and development
- Creates values from defense R&D
- Generate economic growth
- Reduce cost of military items through dual use
- Preferences for
 - Small business
 - Manufacturers in the US
 - US owned companies

▼ SSC Atlantic Patents

- 5 Patents
- 5 Patent Pending
- Innovation Discovery

▼ Work with Partnership Intermediaries

▼ Federal Laboratory Consortium (FLC)

- FLC Business is a database designed to aid business development and accelerate technology transfer for industry, agencies, and academia.
 - www.Flcbusiness.com

Contact Information

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Questions?



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SPAWAR Small Business: <http://www.public.navy.mil/spawar/Pages/SmallBusiness.aspx>
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