



Naval-Industry R&D Partnership Conference

**Washington DC
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TOPICS

- **Where are the laboratories?**
- **What technologies are available?**
- **What mechanisms are available?**
 - **Cooperative Research and Development Agreements**
 - **Work for Others**
 - **Patent/License Agreements**
- **Who do I contact?**
 - **Office of Research and Technology Applications (ORTA)**
- **Resources**
 - **Office of Naval Research**
 - **Naval Acquisition, Research and Development Information Center**
 - **Defense Technical Information Center**
 - **Federal Laboratory Consortium for Technology Transfer**



Where are the Navy laboratories?

- **Naval Research Laboratory**
- **Naval Air Warfare Center**
- **Naval Medical Research Center**
- **Naval Surface Warfare Center**
- **Naval Undersea Warfare Center**
- **Space and Naval Warfare Systems Command**
- **Marine Corps Systems Commands**



What technologies are available?

31 primary categories (National Technical Information Service)

**Manufacturing
Communication
Physics
Ocean Technology and Engineering
Natural Resources and Earth Sciences
Electrotechnology
Aeronautics and Aerodynamics
Astronomy and Astrophysics
Atmospheric Science
Medicine and Biology
Computers, Controls, Information
Detection and Countermeasures**

**Environmental Pollution & Control
Administration & Management
Material Sciences
Mathematical Sciences**

**Military Sciences
Missile Technology
Navigation, Guidance and Control
Ordnance
Combustion, Engines and Propellants
Photography & Recording Devices
Transportation
Library and Information Sciences
Government Inventions for Licensing
Behavior & Society
Industrial & Mechanical Engineering
Biomedical Technology & Human Factors
Engineering**

**Energy
Agriculture & Food
Chemistry**



What mechanisms are available?

- **Cooperative Research and Development Agreements (CRADAs)**
- **Work for Others**
 - Also known as ‘Work for Private Parties’
- **Patent/License Agreements**



CRADAs – What is the authority?

- **Federal Technology Transfer Act of 1986 (PL 97-219)**
- **USC Title 15 Commerce and Trade Chapter 63 Technology Innovation, Section 3710a CRADAs**
- **DoD Directive Number 5535.3 (May 21, 1999)
DoD Domestic Technology Transfer Program**
- **DoD Instruction Number 5535.8 (May 14, 1999)
DoD Technology Transfer Program**
- **SECNAVINST 5700.16A ONR 362 (7 March 2000)
Domestic Technology Transfer**



Navy Standard CRADA

PREAMBLE

DEFINITIONS

OBJECTIVES

RESPONSIBILITIES

REPRESENTATIONS and WARRANTIES

FUNDING

INTELLECTUAL PROPERTY

REPORTS and PUBLICATIONS

TANGIBLE PROPERTY

LIABILITY

GENERAL PROVISIONS

MODIFICATIONS and NOTICES

SURVIVING PROVISIONS

DURATION

SIGNATURES

Appendix A

STATEMENT OF WORK

Appendix B

CONFIRMATORY LICENSE AGREEMENT



Work for Private Parties

- **10 USC 2563** - (formerly 2553): Articles and Services of Industrial Facilities: Sale to Persons Outside the DoD
- **10 USC 2539b** - Test Services Law - Industrial Mobilization
- **10 USC 2681** - Use of Major Range and Test Facility Installation
- **10 USC 7303** - for special programs authorizing the investigation of hull designs to be conducted at the David W. Taylor Model Basin, Carderock, Maryland
- **USC 2474** - for Navy Center of Industrial and Technical Excellence (CITES)



What type of work may be done?

- **10 USC 2563: (formerly 2553) Articles and Services of Industrial Facilities: Sale to Persons Outside the DoD**
 - “Sell articles and services outside of DoD that are manufactured or performed by any working capital fund activity that are not available from a commercial source”
- **10 USC 2539b: Test Services Law - Industrial Mobilization**
 - “Sell, rent, lend or give samples, data, equipment or materials for IR&D, demo’s to foreign governments, or, make available services of any lab for testing materials, equipment, models, software and other items.”



Patent/License Agreement

- **License commercial companies to exploit government developed technology**
- **Government retains rights to use for government purposes**
- **Royalty rights, legal rights, and other terms are negotiated**
- **Licensees gain the technical knowledge and financial benefits to government intellectual property**



Patent/License Agreement

- **Licensees must apply for application for license to practice invention**
 - a plan for commercialization
 - technical goals for developing the product
 - an investment plan
 - time frame to bring to market
- **License agreements may be**
 - Exclusive
 - Partially Exclusive
 - Non-Exclusive
- **CRADAs may be used to enhance development**



Navy Patents

- **Posted through US Patent and Trademark Office**

<http://www.uspto.gov>

- **Posted on Navy laboratory web sites**

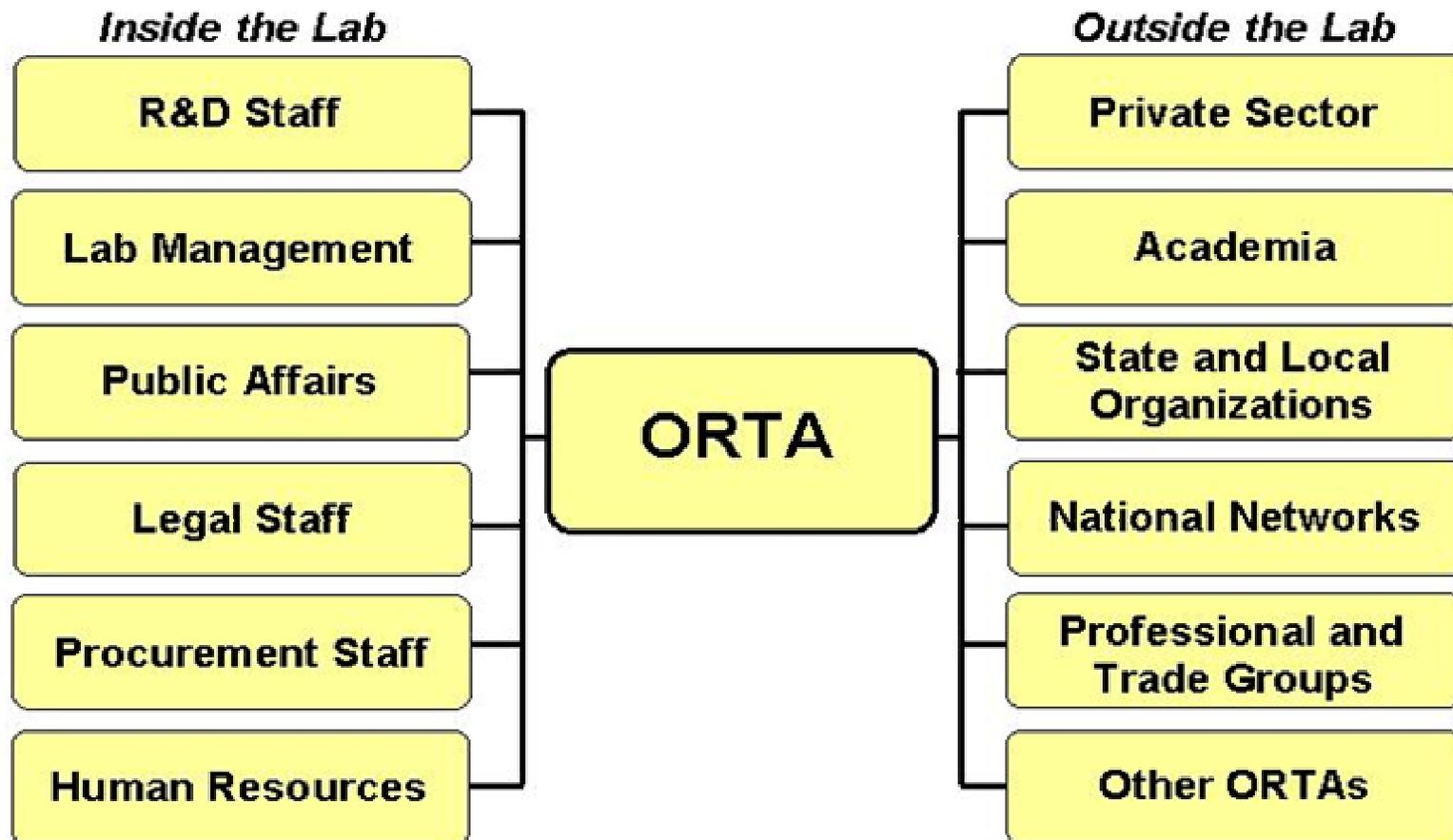
- **NAVY TECHMATCH WEB SITE**

<http://www.navytechmatch.com/nhttp/index.aspx>



Who Do I Contact?

Office of Research and Technology Applications





Where are the ORTAs?

- **Naval Research Laboratory**
- **Naval Air Warfare Center**
- **Naval Medical Research Center**
- **Naval Surface Warfare Center**
- **Naval Undersea Warfare Center**
- **Space and Naval Warfare Systems Command**
- **Naval Systems Commands**
- **Naval Education Commands**
- **Naval Weapons Centers**
- **other Commands, Centers, Facilities, and Detachments and the**
- **Marine Corps Systems Command**



RESOURCES - NAVY

- **ONR Web Page** <http://www.onr.navy.mil>
- **Product Innovation Division (Code 362)**
[.onr.navy.mil/sci_tech/industrial/362](http://www.onr.navy.mil/sci_tech/industrial/362)
[.onr.navy.mil/sci_tech/industrial/362/orta](http://www.onr.navy.mil/sci_tech/industrial/362/orta)
- **NARDIC**
[.onr.navy.mil/sci_tech/industrial/362/nardic](http://www.onr.navy.mil/sci_tech/industrial/362/nardic)
- **DTIC**
<http://www.DTIC.mil>



RESOURCES

Federal Laboratory Consortium for Technology Transfer

<http://www.federallabs.com>

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QUESTIONS?

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