

## EXECUTIVE SUMMARY

The Office of Technology Transition (OTT) was established by the Secretary of Defense in response to 10 U.S.C. 2515 to serve as a focal point for the domestic technology transfer activities of the Department of Defense. This report, required by Section 2515 (see Appendix A), summarizes OTT accomplishments and highlights some technology transfer efforts throughout the Department for FY 2001.

We have experienced some major successes in transferring technology this year and these are identified in Section A of this report. Appendices B and C provide the numbers of technology transfer activities at our laboratories and statistical data on Cooperative Research and Development Agreements and patent licensing, respectively. Highlights, including an improved silicon rubber gasket design suitable for use in all Navy standard, manually operated non-ballistic structural closures in watertight, airtight, and even firezone applications, are identified in Appendix D. Technology transfer award winning projects are identified in Appendix E.

OTT provides leadership, oversight, and focus for programs supporting the technology transfer mission of the Department. Specific activities discussed in this report are:

- Provided leadership for the DoD Technology Transfer Program.
  - Hosted a DoD Technology Transfer Integrated Planning Team Workshop to identify and share best practices in technology transfer among the practitioners.
  - Participated in a Federal Department working group to review selected technology transfer activities with foreign participation
  - Continued sponsorship of Defense TechLink, a partnership intermediary, at Montana State University. TechLink assisted companies in applying for and receiving over 15 patent license agreements from DoD.
  - Continued supporting the Federal Laboratory Consortium with over \$900,000 in funding and 14 DoD representatives serving in elected and non-elected positions. Additionally, 12 teams of DoD scientists and engineers won the Federal Laboratory Consortium Annual Awards for Excellence in Technology Transfer, one person won the FLC Representative of the Year Award, and one person won the FLC Laboratory Director of the Year Award..
- Managed the DoD Dual Use Science and Technology (DU S&T) Program.
  - Thus far, more than 400 companies, universities, and nonprofits are participating in the Program. With a total value of over \$1.0B, 327 DU S&T projects have been initiated.
  - The DU S&T Achievement Award was presented to one winner and two runners-up based on military benefit, commercial viability, and quality of cost share.

- Managed the Office of the Secretary of Defense, Deputy Under Secretary of Defense (Science and Technology) Small Business Innovation Research (OSD DUSD(S&T) SBIR ) Program.
  - The DUSD(S&T) is sponsoring two technology area initiatives, Cognitive Readiness and Conditioned Based Maintenance. It also is co-sponsoring two additional technology areas, biomedical and information technology for military health systems.
- Provided oversight for the DoD Manufacturing Technology Program.
  - The annual Defense Manufacturing Conference continues to be a premier activity with 875 leaders from government, industry, and academia attending the 2001 conference in Las Vegas, NV.
  - The FY 2001 Defense Manufacturing Technology Achievement Award went to the government/industry team responsible for the Enhanced Manufacturing Processes for Body Armor Materials project.
- Directed the collection and dissemination of technology transfer information by the Defense Technical Information Center (DTIC).
  - As of December 31, 2001, the Defense Technology Transfer Information System (DTTIS) contained project information on 4,634 DoD Technology Transfer Activities, including 2,293 active Cooperative Research and Development Agreements and 156 active Patent License Agreements.
  - DTIC maintains the Independent Research & Development (IR&D) database with project description and financial information reflecting IR&D efforts conducted by Defense contractor activities.
  - DTIC maintains the Virtual Technology Exposition (VTE) website with current information on DoD's most advanced technology research activities.
- Coordinated the Independent Research and Development (IR&D) Program.
  - Annual IR&D investment by major defense contractors is about \$3 billion.
  - During FY 2001, DoD began implementation of an action plan to revitalize the IR&D Program. Outreach efforts to educate DoD personnel on this important resource have begun
- Provided direction and oversight of the Defense Production Act Title III Program.
  - A key objective of the Title III Program is to accelerate the transition of technologies from R&D to affordable production and to insert those technologies into defense systems.
  - In FY 2001, eleven Title III projects were active or under development.
  - Three new Title III projects under the Radiation Hardened Microelectronics Initiative are being developed.
- Provided Direction and oversight for the Commercial Operations and Support Savings Initiative (COSSI).
  - A competitive project call was issued in January 2001 and five projects were selected for funding during FY 2002.