BROADENING IMPACTS ACROSS THE HOMELAND SECURITY ENTERPRISE

In 2019, the Department of Homeland Security (DHS) Science and Technology Directorate (S&T) initiated a new lab-to-market initiative under the Technology Transfer and Commercialization Branch (T2C), called the Commercialization Accelerator Program (CAP) that is focused on the transfer and commercialization of federally funded technology relevant to the Homeland Security Enterprise (HSE). CAP identifies federally funded technologies for advancement into the commercial market where they are available to all homeland security end users.

TAKING SOLUTIONS TO THE MARKETPLACE

CAP accomplishes its mission by:

- Bridging the technology "valley of death" by providing resources for manufacturing, production, demonstrations, and providing support for scaling HSE-relevant federally funded solutions

- Building partnerships with private sector technology developers, manufacturing and supply chain partners, and technology investor communities that can facilitate and accelerate the commercialization process

- Identifying potential technology transfer paths and developing go-to-market strategies, including alternative applications and markets
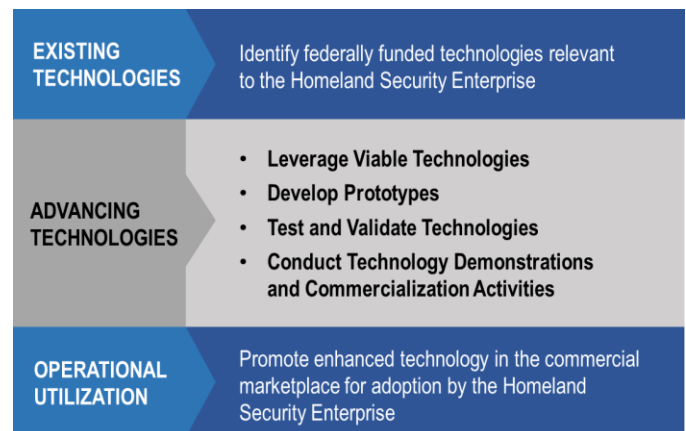
APPROACH

CAP supports federally funded projects that demonstrate potential for commercialization with the following approach:

- Identifying innovative technologies from Department of Energy (DOE) National Laboratories, Department of Defense (DoD) Laboratories, Federally Funded Research and Development Centers (FFRDC), University Affiliated Research Centers (UARC), and other federal research organizations
- Accelerating the path from lab to market by reducing the risk in technologies to increase market readiness
- Connecting researchers with strategic partners including HSE operators, investors, and technology adopters

PROCESS

- The CAP process advances the path from lab to market for selected technologies and includes market validation, commercialization training, testing and evaluation, pilot deployment, and partnership outreach. CAP technologies are introduced to potential partners and integrators and showcased at a variety of forums, conferences, and events. CAP supports multiple paths to enable utilization by operators throughout the HSE, including licensing, start-up creation, open source, and government use.

BENEFITS

- Enables a commercialization pathway for innovative federally funded technologies that address a needed capability that impacts the HSE end users

- Increases utilization of federally funded research and development (R&D) to deliver enhanced HSE capabilities through partnerships, product development efforts, and commercialization

- Improves the ability of federal government research organizations to more efficiently advance HSE-relevant technologies to the commercial marketplace

T2C's CAP advances federally funded R&D to the marketplace to enhance Homeland Security Enterprise capabilities