



# NATIONAL SECURITY AGENCY

## TECHNOLOGY TRANSFER PROGRAM

*Office of Research & Technology Applications*

## Legislation, Policy, and Guiding Principles

The NSA Office of Research and Technology Applications (ORTA) Technology Transfer Program was established by a series of federal laws that promote technology transfer. These laws, as well as subsequent federal policies, White House directives, and NSA agency-wide goals, constitute the legal framework and guiding principles for the NSA ORTA. Successful transfer and commercialization of NSA technologies:

- Gives traction to the Federal Government's annual commitment to Research and Development (R&D), now totaling over \$145 billion
- Accelerates NSA mission solutions
- Creates new companies, new jobs, and new revenue
- Strengthens the economy which in turn strengthens national security

## Federal Technology Transfer Legislation and Executive Actions

The NSA ORTA Technology Transfer Program is built upon a federal legislation and policy framework that dates from 1980. This guiding framework enables the transfer of federal technology to the nonfederal sector to share the benefits of the national investment in R&D. Bidirectional sharing between federal laboratories and private industry includes technologies, personnel, facilities, methods, expertise, and technical information in general. Key technology transfer and Executive Actions include:

- Stevenson-Wydler Technology Innovation Act of 1980
- Bayh-Dole Act of 1980
- Federal Technology Transfer Act of 1986
- Executive Order 12591 of 1987
- Presidential Memo on Technology Transfer of 2011

## **White House Office of Science and Technology Policy**

### **Cross Agency Priority (CAP) Goal: Lab to Market**

The Lab to Market CAP Goal is to increase the economic impact of federally-funded research and development by accelerating and improving the transfer and commercialization of technologies from the federal laboratory to the marketplace. The NSA ORTA is guided by this CAP goal and is a member of the National Science and Technology Council's Subcommittee that coordinates all federal technology transfer and commercialization efforts.

### **NSA Policy 10-9**

This agency policy establishes the NSA ORTA and its authorities through the application of the Federal technology transfer legislation and Executive Orders. It defines the roles and responsibilities for technology transfer activities at NSA.

### **NSA Innovation**

NSA promotes innovative collaboration between its world-class technical workforce and external partners to more rapidly overcome mission challenges. Partnerships executed by the NSA ORTA between agency innovators and outside organizations fulfill this agency-wide focus.

### **NSA Research Directorate Goals**

The NSA ORTA is located within the Agency's Research Directorate (RD). Technology transfer partnerships executed by ORTA help RD meet its mission goals to create solutions for customers and partners, maintain cryptologic excellence, and collaborate across boundaries.