Unleashing American Innovation

Return on Investment Initiative

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A comprehensive initiative to assess Federal technology transfer efforts, policies, and practices to ensure greater Return on Investment (ROI) from the Federal Government’s nearly $140B annual investment in research and development.
ROI: Administration Priorities

- **R&D Priority Area**
  - American Prosperity

- **R&D Priority Practices**
  - Increasing Government Accountability and Efficiency
  - Supporting Innovative Early-Stage Research
  - Maximizing Interagency Coordination
ROI Vision and Goal

• **Vision**
  – Unleash the innovation power of America into our economy

• **Goal**
  – Implement changes necessary to **streamline** and **accelerate** transfer of technology from Federal laboratories and Federally-funded R&D at universities and research organizations that will:
    - promote U.S. economic growth and national security
    - attract greater **private sector investment** to create innovative products, processes, services, as well as new businesses and industries
ROI Objectives

• Identify **critically-needed improvements** to Federal technology transfer efforts by seeking broad input and participation from Federal R&D, intellectual property, and technology transfer stakeholders.

• **Specific objectives** are to identify:
  – Core **Federal technology transfer principles and practices** that should be protected, and those which should be adapted or changed.
  – Approaches to **improve efficiency and reduce regulatory burdens** of technology transfer to attract private sector investment in later-stage R&D, commercialization, and advanced manufacturing.
  – **New partnering models and technology transfer mechanisms** with the private sector, academia, other Federal agencies, State, and other public-sector entities to support technology development and maturation.
  – New approaches that will reduce or remove barriers, and enable accelerated technology transfer, with **focus on areas of strategic national importance**.
  – Better **metrics and methods** to evaluate the ROI outcomes and impacts arising from Federal R&D investment.
  – New approaches to **motivate significantly increased technology transfer outcomes** from the Federal sector, universities, and research organizations.
ROI: Partnering and Coordination

• Whole-of-Government effort with NIST as convener
  – Closely coordinate with the White House, OSTP, and NEC
  – Engage Federal agencies with R&D and technology transfer-related equities

• Broad stakeholder engagement
  – Industry (e.g., LES, IRI, COC, Think Tanks)
  – Academia (e.g., AUTM, COGR, AAU, APLU)
  – State and local government (e.g., Technology-Based Economic Development Organizations)
  – General Public

• Leverage existing interagency structures
  – Lab-to-Market NSTC efforts
  – Cross Agency Priority Goal
  – Interagency Working Group for Technology Transfer
  – Interagency Working Group for Bayh-Dole
  – Federal Laboratory Consortium
ROI: Timeline and Milestones

February
- ROI Initiative introduction with key industry and academic stakeholders
- NIST Website: www.nist.gov/tpo/ROI

March/April/May
- Request for Information in Federal Register
- Public discussion forums

June/July/August/September
- Analysis, interagency review, recommendations (practices, policies, regulatory, legislative), initiate implementation of action plan