



# THE CHIPS AND SCIENCE ACT

## Title II: National Institute of Standards and Technology For The Future

**Supports Critical Technology Research and Standards.** Increases overall funding for the agency by 40 percent to \$1.5 billion in fiscal year 2023, with smaller but steady growth thereafter to \$2.3 billion in fiscal year 2027. This funding would help advance important research and support standards development for industries of the future, including quantum information science, artificial intelligence, cybersecurity, privacy, engineering biology, advanced communications technologies, semiconductors, and much more

**Supports U.S. Manufacturing.** Authorizes a significant increase in funding and expansion of the Manufacturing Extension Partnership (MEP) program, including to track supply chain disruptions and address the resilience of domestic supply chains. Authorizes a significant increase in funding and expansion of the Manufacturing USA program to support over ten new competitively awarded institutes. Supports new activities to increase access to domestic manufacturing opportunities for traditionally underserved populations through both the MEP and Manufacturing USA programs.

**Addresses Pressing Technology Challenges.** Supports agency activities for software supply chain security to address open-source and SolarWinds-style cyberattacks. Expands NIST testing and standards activities for biometric identification systems, such as facial recognition systems, helping to identify and mitigate bias in such systems.

**Helps Tackle Climate Change.** Expands NIST's greenhouse gas measurement activities to help governments and organizations accurately measure emissions at all scales.

**Promotes U.S. Competitiveness in International Standards.** Expands interagency coordination and information exchange activities to support private sector engagement and ensure effective Federal engagement in the development and use of international standards.

**Creates a 21st Century NIST.** Authorizes funds to help the agency address its large construction and maintenance backlog. Updates authorities to provide additional flexibility and enable the agency to better do its job. Supports education and workforce development activities, including opportunities for students attending minority serving institutions