



National Institute of Standards and Technology for the Future

Title II

Division B: Research & Innovation
H.R. 4521, the America COMPETES Act

Supports Critical Technology Research and Standards. Increases overall funding for the agency by 23 percent to \$1.5 billion in fiscal year 2023, with smaller but steady growth thereafter. This funding would support important research and standards support 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. Provides authorization for two new competitively awarded Manufacturing USA Institutes.

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.

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. Support education and workforce development activities, including opportunities for students attending minority serving institutions