

NIST Provisions in the National Defense Authorization Act of 2021 (P.L. 116-283)

Section and Provision	CTL	EL	ITL	M-USA	MEP	MML	PML	STNDS
Sec. 332 Interagency Body on Research Related to Per- and Polyfluoroalkyl Substances requires the Director of the Office of Science and Technology Policy (OSTP) to establish an interagency working group, whose membership includes a representative from NOAA, NIST, and the Department, to coordinate federal activities related to PFAS research and development.		X						
Sec. 334 Research and Development of Alternative to Aqueous Film-Forming Foam requires the Secretary of Defense, acting through NIST and in consultation with other stakeholders and federal agencies, to award grants and carry out other activities related to fluorine-free alternatives to aqueous film-forming foam.		X						
Sec. 338 Guaranteeing Equipment Safety for Firefighters Act of 2020 requires the NIST Director to complete a study of the contents and composition of new and unused personal protective equipment worn by firefighters not later than 3 years after the date of the enactment of this Act, subject to availability of appropriations and in consultation with the Director of the National Institute for Occupational Safety and Health.		X						
Sec. 1738 Assistance for Small Manufacturers in the Defense Industrial Supply Chain on Matters Relating to Cybersecurity allows the Secretary of Defense, in consultation with the NIST Director, to provide funds to Manufacturing Extension Partnership Centers for the provision of cybersecurity services to small manufacturers.			X		X			
Sec. 5301 National Institute of Standards and Technology Activities directs the NIST Director to develop a voluntary risk management framework for trustworthy artificial intelligence systems within two years of enactment, develop best practices for data sharing and documentation of data sets within one year of enactment, and participate in the development of standards and specifications for artificial intelligence.			X					
Sec. 5302 Stakeholder Outreach directs NIST to solicit input from public and private sector experts and stakeholders and to provide opportunity for public			X					

comment on guidelines and best practices developed as part of the initiative, as appropriate.								
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Sec. 8304 Oil Pollution Research and Development Program. NIST is directed to provide the Interagency Committee with advice and guidance on issues relating to quality assurance and standards measurements relating to its activities under this section.						X		
Sec. 9202 Wireless Supply Chain Innovation and Multilateral Security establishes the Public Wireless Supply Chain Innovation Fund at Treasury, made available to the Secretary acting through the NTIA Administrator to make competitive grants that support 5G competitiveness and open interface standards-based, interoperable equipment deployment.	X							
Sec. 9204 Internet of Things requires the Secretary to convene a working group of federal stakeholders to provide recommendations and a report to Congress assessing how to advance the development or deployment of the Internet of Things.	X		X					
Sec. 9401 Improving National Initiative for Cyber Security Education establishes a number of measures in an effort to improve national cybersecurity education. NIST is directed to identify career pathways for cybersecurity positions in the private and public sectors. Further, NIST is granted authority to establish a voluntary exchange program. Additionally, NIST is directed to establish cooperative agreement between NICE and regional alliances or partnerships. The provision also creates NIST reporting requirements. [Similar to S. 2775, HACKED Act]			X					
Sec. 9402 Development of standards and guidelines for improving cybersecurity workforce of Federal agencies modifies NIST’s mission to include the identification and development of standards and guidelines for improving the cybersecurity workforce of an agency.			X					
Sec. 9407 National Cybersecurity Challenges requires the Secretary to establish challenges in economics of a cyberattack, cyber training, emerging technology, reimagining digital identity, and federal agency resilience. The NIST Director is required to initiate actions to pursue those challenges, and to carry out programs to award competitive prizes. [Substantially similar to S. 3712, CYBER LEAP]			X					

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<p>Sec. 9413 National Institute of Standards and Technology Manufacturing Extension Partnership Program Supply Chain Database directs the NIST Director to carry out a study to evaluate the feasibility, advisability, and costs of establishing a national supply chain database and report to the Congress with its findings within six months.</p>					X			
<p>Sec. 9414 Study on Chinese Policies and Influence in the Development of International Standards for Emerging Technologies directs NIST Director to enter into an agreement with an expert entity to conduct a study and provide recommendations on the impact of the policies of the People’s Republic of China and coordination among industrial entities within the People’s Republic of China on international bodies engaged in developing and setting international standards for emerging technologies.</p>								X
<p>Sec. 9415. Coordination by M-USA Institutes with Hollings MEP Centers.</p>				X	X			
<p>Secs. 9902-6: Semiconductor related provisions tasking the Secretary with a number of responsibilities. Some of those duties will likely be designated to NIST.</p>			X					