

vate sector, shall continue to develop and encourage the implementation of a comprehensive strategy for the use and adoption of cloud computing services by the Federal Government.

(b) Activities

In carrying out the strategy described under subsection (a), the Director shall give consideration to activities that—

- (1) accelerate the development, in collaboration with the private sector, of standards that address interoperability and portability of cloud computing services;
- (2) advance the development of conformance testing performed by the private sector in support of cloud computing standardization; and
- (3) support, in coordination with the Office of Management and Budget, and in consultation with the private sector, the development of appropriate security frameworks and reference materials, and the identification of best practices, for use by Federal agencies to address security and privacy requirements to enable the use and adoption of cloud computing services, including activities—
 - (A) to ensure the physical security of cloud computing data centers and the data stored in such centers;
 - (B) to ensure secure access to the data stored in cloud computing data centers;
 - (C) to develop security standards as required under section 278g-3 of this title; and
 - (D) to support the development of the automation of continuous monitoring systems.

(Pub. L. 113-274, title V, §503, Dec. 18, 2014, 128 Stat. 2986.)

§ 7464. Identity management research and development

The Director shall continue a program to support the development of voluntary and cost-effective technical standards, metrology, testbeds, and conformance criteria, taking into account appropriate user concerns—

- (1) to improve interoperability among identity management technologies;
- (2) to strengthen authentication methods of identity management systems;
- (3) to improve privacy protection in identity management systems, including health information technology systems, through authentication and security protocols; and
- (4) to improve the usability of identity management systems.

(Pub. L. 113-274, title V, §504, Dec. 18, 2014, 128 Stat. 2987.)

CHAPTER 101—NANOTECHNOLOGY RESEARCH AND DEVELOPMENT

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§ 7501. National Nanotechnology Program

(a) National Nanotechnology Program

The President shall implement a National Nanotechnology Program. Through appropriate agencies, councils, and the National Nanotechnology Coordination Office established in section 7502 of this title, the Program shall—

- (1) establish the goals, priorities, and metrics for evaluation for Federal nanotechnology research, development, and other activities;
- (2) invest in Federal research and development programs in nanotechnology and related sciences to achieve those goals; and
- (3) provide for interagency coordination of Federal nanotechnology research, development, and other activities undertaken pursuant to the Program.

(b) Program activities

The activities of the Program shall include—

- (1) developing a fundamental understanding of matter that enables control and manipulation at the nanoscale;
- (2) providing grants to individual investigators and interdisciplinary teams of investigators;
- (3) establishing a network of advanced technology user facilities and centers;
- (4) establishing, on a merit-reviewed and competitive basis, interdisciplinary nanotechnology research centers, which shall—
 - (A) interact and collaborate to foster the exchange of technical information and best practices;
 - (B) involve academic institutions or national laboratories and other partners, which may include States and industry;
 - (C) make use of existing expertise in nanotechnology in their regions and nationally;
 - (D) make use of ongoing research and development at the micrometer scale to support their work in nanotechnology; and
 - (E) to the greatest extent possible, be established in geographically diverse locations, encourage the participation of Historically Black Colleges and Universities that are part B institutions as defined in section 1061(2) of title 20 and minority institutions (as defined in section 1067k(3) of title 20), and include institutions located in States participating in the Experimental Program to Stimulate Competitive Research (EPSCoR);

- (5) ensuring United States global leadership in the development and application of nanotechnology;
- (6) advancing the United States productivity and industrial competitiveness through stable, consistent, and coordinated investments in long-term scientific and engineering research in nanotechnology;
- (7) accelerating the deployment and application of nanotechnology research and development in the private sector, including startup companies;
- (8) encouraging interdisciplinary research, and ensuring that processes for solicitation