

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards” wherever appearing.

#### EFFECTIVE DATE

Pub. L. 96-461, §11, Oct. 15, 1980, 94 Stat. 2052, provided that: “The effective date of sections 8 and 9 of this Act [enacting this section, amending section 278d of this title, and enacting provisions set out below] shall be October 1, 1980.”

#### CONGRESSIONAL DECLARATION OF PURPOSE

Pub. L. 96-461, §9, Oct. 15, 1980, 94 Stat. 2051, as amended by Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433, provided in part that this section was enacted “[i]n order to develop and strengthen the expertise of the National Institute of Standards and Technology in science and engineering, to enhance the Secretary’s ability to maintain the Institute’s programs at the forefront of worldwide developments in science and engineering, and to cooperate in international scientific activities”.

### § 278g-1. Research fellowships and other financial assistance to students at institutes of higher education

#### (a) In general

The Director is authorized to expend funds appropriated for activities of the Institute in any fiscal year, as the Director may deem desirable, for awards of research fellowships and other forms of financial assistance to students at institutions of higher learning within the United States who show promise as present or future contributors to the mission of the Institute, and to United States citizens for research and technical activities on Institute programs. The selection of persons to receive such fellowships and assistance shall be made on the basis of ability and of the relevance of the proposed work to the mission and programs of the Institute.

#### (b) Manufacturing fellowship program

##### (1) Establishment

To promote the development of a robust research community working at the leading edge of manufacturing sciences, the Director shall establish a program to award—

(A) postdoctoral research fellowships at the Institute for research activities related to manufacturing sciences; and

(B) senior research fellowships to established researchers in industry or at institutions of higher education who wish to pursue studies related to the manufacturing sciences at the Institute.

##### (2) Applications

To be eligible for an award under this subsection, an individual shall submit an application to the Director at such time, in such manner, and containing such information as the Director may require.

##### (3) Stipend levels

Under this subsection, the Director shall provide stipends for postdoctoral research fellowships at a level consistent with the National Institute of Standards and Technology Postdoctoral Research Fellowship Program, and senior research fellowships at levels consistent with support for a faculty member in a sabbatical position.

#### (c) Underrepresented minorities

In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.

(Mar. 3, 1901, ch. 872, §18, as added Pub. L. 99-574, §6(a), Oct. 28, 1986, 100 Stat. 3237; amended Pub. L. 100-418, title V, §5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 102-245, title I, §104(h)(1), Feb. 14, 1992, 106 Stat. 11; Pub. L. 110-69, title III, §§3008, 3013(a), Aug. 9, 2007, 121 Stat. 591, 598; Pub. L. 111-358, title IV, §§406(a), §407(b), Jan. 4, 2011, 124 Stat. 4003, 4004.)

#### PRIOR PROVISIONS

A prior section 18 of act Mar. 3, 1901, ch. 872, was renumbered section 32 and is classified to section 278q of this title.

#### AMENDMENTS

2011—Subsec. (a). Pub. L. 111-358, §407(b), struck out “up to 1.5 percent of the” after “expend”.

Subsec. (c). Pub. L. 111-358, §406(a), added subsec. (c). 2007—Pub. L. 110-69 designated existing provisions as subsec. (a), inserted heading, substituted “up to 1.5 percent of the” for “up to 1 per centum of the”, and added subsec. (b).

1992—Pub. L. 102-245 inserted before period at end of first sentence “, and to United States citizens for research and technical activities on Institute programs”.

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards” the first place appearing, and for “Bureau” wherever subsequently appearing.

#### EFFECTIVE DATE

Pub. L. 99-574, §6(b), Oct. 28, 1986, 100 Stat. 3237, provided that: “The amendments made by subsection (a) [enacting this section] shall be effective October 1, 1986.”

### § 278g-2. Post-doctoral fellowship program

The Institute shall establish and conduct a post-doctoral fellowship program, subject to the availability of appropriations, which shall be organized and carried out in substantially the same manner as the National Academy of Sciences/National Research Council Post-Doctoral Research Associate Program that was in effect prior to 1986, and which shall include not less than twenty nor more than 120 new fellows per fiscal year. In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.

(Mar. 3, 1901, ch. 872, §19, as added Pub. L. 99-574, §8(a), Oct. 28, 1986, 100 Stat. 3238; amended Pub. L. 100-418, title V, §5115(a)(1), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 104-113, §8(3), Mar. 7, 1996, 110 Stat. 779; Pub. L. 110-69, title III, §3015, Aug. 9, 2007, 121 Stat. 599; Pub. L. 111-358, title IV, §§406(b), 407(a), Jan. 4, 2011, 124 Stat. 4004.)

#### PRIOR PROVISIONS

A prior section 19 of act Mar. 3, 1901, ch. 872, was renumbered section 32 and is classified to section 278q of this title.

#### AMENDMENTS

2011—Pub. L. 111-358, §407(a), struck out “, in conjunction with the National Academy of Sciences,” after “The Institute”.

Pub. L. 111-358, §406(b), inserted at end “In evaluating applications for fellowships under this section, the Director shall give consideration to the goal of promoting the participation of underrepresented minorities in research areas supported by the Institute.”

2007—Pub. L. 110-69 substituted “nor more than 120 new fellows” for “nor more than 60 new fellows”.

1996—Pub. L. 104-113 inserted “, subject to the availability of appropriations,” after “post-doctoral fellowship program” and substituted “nor more than 60” for “nor more than forty”.

1988—Pub. L. 100-418 substituted “Institute” for “National Bureau of Standards”.

#### EFFECTIVE DATE

Pub. L. 99-574, §8(b), Oct. 28, 1986, 100 Stat. 3238, provided that: “The amendments made by subsection (a) [enacting this section] shall be effective October 1, 1987.”

### § 278g-2a. Teacher science and technology enhancement Institute program

#### (a) Establishment

The Director shall establish within the Institute a teacher science and technology enhancement program to provide for professional development of mathematics and science teachers of elementary, middle, and secondary schools (as those terms are defined by the Director), including providing for the improvement of those teachers with respect to the understanding of science and the impacts of science on commerce.

#### (b) Areas of focus

In carrying out the program under this section, the Director shall focus on the areas of—

- (1) scientific measurements;
- (2) tests and standards development;
- (3) industrial competitiveness and quality;
- (4) manufacturing;
- (5) technology transfer; and
- (6) any other area of expertise of the Institute that the Director determines to be appropriate.

#### (c) Procedures and selection criteria

The Director shall develop and issue procedures and selection criteria for participants in the program. The Director shall give special consideration to an application from a teacher from a high-need school, as defined in section 1021 of title 20.

#### (d) Scheduling

The program under this section shall be conducted on an annual basis during the summer months, during the period of time when a majority of elementary, middle, and secondary schools have not commenced a school year.

#### (e) Means of accomplishing goals

The program shall provide for teachers’ participation in activities at the laboratory facilities of the Institute, or shall utilize other means of accomplishing the goals of the program as determined by the Director, which may include the Internet, video conferencing and recording, and workshops and conferences.

(Mar. 3, 1901, ch. 872, §19A, as added Pub. L. 105-309, §7, Oct. 30, 1998, 112 Stat. 2937; amended Pub. L. 111-358, title IV, §406(c), Jan. 4, 2011, 124 Stat. 4004.)

#### AMENDMENTS

2011—Subsec. (c). Pub. L. 111-358 inserted at end “The Director shall give special consideration to an applica-

tion from a teacher from a high-need school, as defined in section 1021 of title 20.”

### § 278g-3. Computer standards program

#### (a) In general

The Institute shall—

(1) have the mission of developing standards, guidelines, and associated methods and techniques for information systems;

(2) develop standards and guidelines, including minimum requirements, for information systems used or operated by an agency or by a contractor of an agency or other organization on behalf of an agency, other than national security systems (as defined in section 3552(b)(5)<sup>1</sup> of title 44);

(3) develop standards and guidelines, including minimum requirements, for providing adequate information security for all agency operations and assets, but such standards and guidelines shall not apply to national security systems; and

(4) carry out the responsibilities described in paragraph (3) through the Computer Security Division.

#### (b) Minimum requirements for standards and guidelines

The standards and guidelines required by subsection (a) shall include, at a minimum—

(1)(A) standards to be used by all agencies to categorize all information and information systems collected or maintained by or on behalf of each agency based on the objectives of providing appropriate levels of information security according to a range of risk levels;

(B) guidelines recommending the types of information and information systems to be included in each such category; and

(C) minimum information security requirements for information and information systems in each such category;

(2) a definition of and guidelines concerning detection and handling of information security incidents; and

(3) guidelines developed in coordination with the National Security Agency for identifying an information system as a national security system consistent with applicable requirements for national security systems, issued in accordance with law and as directed by the President.

#### (c) Development of standards and guidelines

In developing standards and guidelines required by subsections (a) and (b), the Institute shall—

(1) consult with other agencies and offices (including, but not limited to, the Director of the Office of Management and Budget, the Departments of Defense and Energy, the National Security Agency, the Government Accountability Office, and the Secretary of Homeland Security) to assure—

(A) use of appropriate information security policies, procedures, and techniques, in order to improve information security and avoid unnecessary and costly duplication of effort; and

<sup>1</sup> So in original. Probably should be “3552(b)(6)”.