

in subsection (c) of that section, the Director of the National Institute of Standards and Technology may take into consideration whether an application has significant potential for enhancing the competitiveness of small- and medium-sized businesses in the United States in the global marketplace. The Director shall consult with the Technology Innovation Program Advisory Board and the Secretary of Commerce in implementing this subsection.”

TRANSITION

Pub. L. 110-69, title III, §3012(c), Aug. 9, 2007, 121 Stat. 598, provided that: “Notwithstanding the repeal made by subsection (a) [repealing former section 278n of this title], the Director shall carry out section 28 of the National Institute of Standards and Technology Act (15 U.S.C. 278n) as such section was in effect on the day before the date of the enactment of this Act [Aug. 9, 2007], with respect to applications for grants under such section submitted before such date, until the earlier of—

“(1) the date that the Director promulgates the regulations required under section 28(f) of the National Institute of Standards and Technology Act [15 U.S.C. 278n(f)], as added by subsection (b) [Final regulations implementing the Technology Innovation Program issued June 25, 2008. See 73 F.R. 35913.]; or

“(2) December 31, 2007.”

NATIONAL ACADEMIES OF SCIENCES AND ENGINEERING STUDY OF GOVERNMENT-INDUSTRY COOPERATION IN CIVILIAN TECHNOLOGY

Pub. L. 100-418, title V, §5131(c), Aug. 23, 1988, 102 Stat. 1443, directed the Secretary of Commerce, within 90 days after Aug. 23, 1988, to enter into contracts with the National Academies of Sciences and Engineering to review the various types of cooperative arrangements between the private sector and the Federal Government and required a report based on the review to be submitted to the Secretary, the President, and Congress within 18 months after the contracts were signed.

§ 278n-1. Emergency communication and tracking technologies research initiative

(a) Establishment

The Director shall establish a research initiative to support the development of emergency communication and tracking technologies for use in locating trapped individuals in confined spaces, such as underground mines, and other shielded environments, such as high-rise buildings or collapsed structures, where conventional radio communication is limited.

(b) Activities

In order to carry out this section, the Director shall work with the private sector and appropriate Federal agencies to—

(1) perform a needs assessment to identify and evaluate the measurement, technical standards, and conformity assessment needs required to improve the operation and reliability of such emergency communication and tracking technologies;

(2) support the development of technical standards and conformance architecture to improve the operation and reliability of such emergency communication and tracking technologies; and

(3) incorporate and build upon existing reports and studies on improving emergency communications.

(c) Report

Not later than 18 months after January 4, 2011, the Director shall submit to Congress and make

publicly available a report describing the assessment performed under subsection (b)(1) and making recommendations about research priorities to address gaps in the measurement, technical standards, and conformity assessment needs identified by the assessment.

(Pub. L. 111-358, title IV, §405, Jan. 4, 2011, 124 Stat. 4003.)

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and as part of the National Institute of Standards and Technology Authorization Act of 2010, and not as part of the National Institute of Standards and Technology Act which comprises this chapter.

DEFINITIONS

Pub. L. 111-358, title IV, §409, Jan. 4, 2011, 124 Stat. 4004, provided that: “In this title [enacting this section and sections 273a and 278n-2 of this title, amending sections 274, 278g-1, 278g-2, 278g-2a, and 278k of this title and sections 5314 and 5315 of Title 5, Government Organization and Employees, and repealing section 1533 of this title and provisions set out as a note under section 278k of this title]:

“(1) DIRECTOR.—The term ‘Director’ means the Director of the National Institute of Standards and Technology.

“(2) FEDERAL AGENCY.—The term ‘Federal agency’ has the meaning given such term in section 4 of the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3703).

“(3) HIGH PERFORMANCE GREEN BUILDING.—The term ‘high performance green building’ has the meaning given that term by section 401(13) of the Energy Independence and Security Act of 2009 [probably should be ‘2007’] (42 U.S.C. 17061(13)).”

§ 278n-2. Green manufacturing and construction

The Director shall carry out a green manufacturing and construction initiative—

(1) to develop accurate sustainability metrics and practices for use in manufacturing;

(2) to advance the development of standards, including high performance green building standards, and the creation of an information infrastructure to communicate sustainability information about suppliers; and

(3) to move buildings toward becoming high performance green buildings, including improving energy performance, service life, and indoor air quality of new and retrofitted buildings through validated measurement data.

(Pub. L. 111-358, title IV, §408, Jan. 4, 2011, 124 Stat. 4004.)

CODIFICATION

Section was enacted as part of the America COMPETES Reauthorization Act of 2010, also known as the America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science Reauthorization Act of 2010, and as part of the National Institute of Standards and Technology Authorization Act of 2010, and not as part of the National Institute of Standards and Technology Act which comprises this chapter.

DEFINITIONS

For definitions of “Director” and “high performance green building” as used in this section, see section 409