

ment from carrying out research, development, demonstration, or deployment activities, as long as such activities are coordinated through the Under Secretary for Science and Technology.

**(c) Regulations**

The Secretary, acting through the Under Secretary for Science and Technology, may issue necessary regulations with respect to research, development, demonstration, testing, and evaluation activities of the Department, including the conducting, funding, and reviewing of such activities.

**(d) Notification of Presidential life sciences designations**

Not later than 60 days before effecting any transfer of Department of Energy life sciences activities pursuant to section 183(1)(D) of this title, the President shall notify the appropriate congressional committees of the proposed transfer and shall include the reasons for the transfer and a description of the effect of the transfer on the activities of the Department of Energy.

(Pub. L. 107-296, title III, §306, Nov. 25, 2002, 116 Stat. 2168.)

**§ 187. Homeland Security Advanced Research Projects Agency**

**(a) Definitions**

In this section:

**(1) Fund**

The term “Fund” means the Acceleration Fund for Research and Development of Homeland Security Technologies established in subsection (c).

**(2) Homeland security research**

The term “homeland security research” means research relevant to the detection of, prevention of, protection against, response to, attribution of, and recovery from homeland security threats, particularly acts of terrorism.

**(3) HSARPA**

The term “HSARPA” means the Homeland Security Advanced Research Projects Agency established in subsection (b).

**(4) Under Secretary**

The term “Under Secretary” means the Under Secretary for Science and Technology.

**(b) Homeland Security Advanced Research Projects Agency**

**(1) Establishment**

There is established the Homeland Security Advanced Research Projects Agency.

**(2) Director**

HSARPA shall be headed by a Director, who shall be appointed by the Secretary. The Director shall report to the Under Secretary.

**(3) Responsibilities**

The Director shall administer the Fund to award competitive, merit-reviewed grants, cooperative agreements or contracts to public or private entities, including businesses, federally funded research and development centers, and universities. The Director shall administer the Fund to—

(A) support basic and applied homeland security research to promote revolutionary changes in technologies that would promote homeland security;

(B) advance the development, testing and evaluation, and deployment of critical homeland security technologies;

(C) accelerate the prototyping and deployment of technologies that would address homeland security vulnerabilities; and

(D) conduct research and development for the purpose of advancing technology for the investigation of child exploitation crimes, including child victim identification, trafficking in persons, and child pornography, and for advanced forensics.

**(4) Targeted competitions**

The Director may solicit proposals to address specific vulnerabilities identified by the Director.

**(5) Coordination**

The Director shall ensure that the activities of HSARPA are coordinated with those of other relevant research agencies, and may run projects jointly with other agencies.

**(6) Personnel**

In hiring personnel for HSARPA, the Secretary shall have the hiring and management authorities described in section 1101<sup>1</sup> of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999 (5 U.S.C. 3104 note; Public Law 105-261). The term of appointments for employees under subsection (c)(1) of that section may not exceed 5 years before the granting of any extension under subsection (c)(2) of that section.

**(7) Demonstrations**

The Director, periodically, shall hold homeland security technology demonstrations to improve contact among technology developers, vendors and acquisition personnel.

**(c) Fund**

**(1) Establishment**

There is established the Acceleration Fund for Research and Development of Homeland Security Technologies, which shall be administered by the Director of HSARPA.

**(2) Authorization of appropriations**

There are authorized to be appropriated \$500,000,000 to the Fund for fiscal year 2003 and such sums as may be necessary thereafter.

**(3) Coast Guard**

Of the funds authorized to be appropriated under paragraph (2), not less than 10 percent of such funds for each fiscal year through fiscal year 2005 shall be authorized only for the Under Secretary, through joint agreement with the Commandant of the Coast Guard, to carry out research and development of improved ports, waterways and coastal security surveillance and perimeter protection capabilities for the purpose of minimizing the possibility that Coast Guard cutters, aircraft, helicopters, and personnel will be diverted

<sup>1</sup> See References in Text note below.

from non-homeland security missions to the ports, waterways and coastal security mission. (Pub. L. 107–296, title III, § 307, Nov. 25, 2002, 116 Stat. 2168; Pub. L. 114–22, title III, § 302(c), formerly § 302(d), May 29, 2015, 129 Stat. 255; renumbered § 302(d), Pub. L. 115–392, § 23(c)(2), Dec. 21, 2018, 132 Stat. 5264.)

#### Editorial Notes

##### REFERENCES IN TEXT

Section 1101 of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999, referred to in subsec. (b)(6), is section 1101 of Pub. L. 105–261, which was formerly set out as a note under section 3104 of Title 5, Government Organization and Employees, prior to repeal by Pub. L. 114–328, div. A, title XI, § 1121(b), Dec. 23, 2016, 130 Stat. 2452. See section 4092 of Title 10, Armed Forces.

##### AMENDMENTS

2015—Subsec. (b)(3)(D). Pub. L. 114–22 added subpar. (D).

### § 188. Conduct of research, development, demonstration, testing and evaluation

#### (a) In general

The Secretary, acting through the Under Secretary for Science and Technology, shall carry out the responsibilities under section 182(4) of this title through both extramural and intramural programs.

#### (b) Extramural programs

##### (1) In general

The Secretary, acting through the Under Secretary for Science and Technology, shall operate extramural research, development, demonstration, testing, and evaluation programs so as to—

(A) ensure that colleges, universities, private research institutes, and companies (and consortia thereof) from as many areas of the United States as practicable participate;

(B) ensure that the research funded is of high quality, as determined through merit review processes developed under section 182(14) of this title; and

(C) distribute funds through grants, cooperative agreements, and contracts.

##### (2) University-based centers for homeland security

##### (A) Designation

The Secretary, acting through the Under Secretary for Science and Technology, shall designate a university-based center or several university-based centers for homeland security. The purpose of the center or these centers shall be to establish a coordinated, university-based system to enhance the Nation's homeland security.

##### (B) Criteria for designation

Criteria for the designation of colleges or universities as a center for homeland security, shall include, but are not limited to, demonstrated expertise in—

- (i) The training of first responders.
- (ii) Responding to incidents involving weapons of mass destruction and biological warfare.

(iii) Emergency and diagnostic medical services.

(iv) Chemical, biological, radiological, and nuclear countermeasures or detection.

(v) Animal and plant health and diagnostics.

(vi) Food safety.

(vii) Water and wastewater operations.

(viii) Port and waterway security.

(ix) Multi-modal transportation.

(x) Information security and information engineering.

(xi) Engineering.

(xii) Educational outreach and technical assistance.

(xiii) Border transportation and security.

(xiv) The public policy implications and public dissemination of homeland security related research and development.

#### (C) Discretion of Secretary

To the extent that exercising such discretion is in the interest of homeland security, and with respect to the designation of any given university-based center for homeland security, the Secretary may except certain criteria as specified in subparagraph (B) and consider additional criteria beyond those specified in subparagraph (B). Upon designation of a university-based center for homeland security, the Secretary shall that day publish in the Federal Register the criteria that were excepted or added in the selection process and the justification for the set of criteria that were used for that designation.

#### (D) Report to Congress

The Secretary shall report annually, from the date of enactment, to Congress concerning the implementation of this section. That report shall indicate which center or centers have been designated and how the designation or designations enhance homeland security, as well as report any decisions to revoke or modify such designations.

#### (E) Authorization of appropriations

There are authorized to be appropriated such sums as may be necessary to carry out this paragraph.

#### (c) Intramural programs

##### (1) Consultation

In carrying out the duties under section 182 of this title, the Secretary, acting through the Under Secretary for Science and Technology, may draw upon the expertise of any laboratory of the Federal Government, whether operated by a contractor or the Government.

##### (2) Laboratories

The Secretary, acting through the Under Secretary for Science and Technology, may establish a headquarters laboratory for the Department at any laboratory or site and may establish additional laboratory units at other laboratories or sites.

##### (3) Criteria for headquarters laboratory

If the Secretary chooses to establish a headquarters laboratory pursuant to paragraph (2), then the Secretary shall do the following:

- (A) Establish criteria for the selection of the headquarters laboratory in consultation