

109TH CONGRESS
2D SESSION

H. R. 4941

To reform the science and technology programs and activities of the
Department of Homeland Security, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

MARCH 14, 2006

Mr. REICHERT (for himself and Mr. PASCRELL) introduced the following bill;
which was referred to the Committee on Homeland Security

A BILL

To reform the science and technology programs and activities
of the Department of Homeland Security, and for other
purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Homeland Security
5 Science and Technology Enhancement Act of 2006”.

6 **SEC. 2. NATIONAL STANDARDS FOR HOMELAND SECURITY**
7 **EQUIPMENT AND TRAINING.**

8 (a) AMENDMENT.—Title III of the Homeland Secu-
9 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
10 adding at the end the following new section:

1 **“SEC. 314. NATIONAL STANDARDS FOR HOMELAND SECU-**
2 **RITY EQUIPMENT AND TRAINING.**

3 “(a) EQUIPMENT STANDARDS.—

4 “(1) IN GENERAL.—The Secretary, acting
5 through the Under Secretary for Science and Tech-
6 nology, and in consultation with other components of
7 the Department, as appropriate, shall support the
8 development, promulgation, and updating as nec-
9 essary of national voluntary consensus standards for
10 the performance, use, and validation of equipment
11 used by Federal, State, and local government and
12 nongovernment emergency response providers, and
13 by the components of the Department. Such stand-
14 ards—

15 “(A) shall be, to the maximum extent prac-
16 ticable, consistent with any existing voluntary
17 consensus standards;

18 “(B) shall take into account, as appro-
19 priate, new types of terrorism threats and re-
20 sponsibilities of the Department that may not
21 have been contemplated when such existing
22 standards were developed;

23 “(C) shall be focused on maximizing inter-
24 operability, interchangeability, durability, flexi-
25 bility, efficiency, efficacy, portability, sustain-
26 ability, and safety; and

1 “(D) shall cover all appropriate uses of the
2 equipment.

3 “(2) REQUIRED CATEGORIES.—In carrying out
4 paragraph (1), the Secretary shall specifically con-
5 sider national voluntary consensus standards for the
6 performance, use, and validation of the following
7 categories of equipment:

8 “(A) Thermal imaging equipment.

9 “(B) Radiation detection and analysis
10 equipment.

11 “(C) Biological detection and analysis
12 equipment.

13 “(D) Chemical detection and analysis
14 equipment.

15 “(E) Decontamination and sterilization
16 equipment.

17 “(F) Personal protective equipment, in-
18 cluding garments, boots, gloves, and hoods and
19 other protective clothing.

20 “(G) Respiratory protection equipment.

21 “(H) Interoperable communications, in-
22 cluding wireless and wireline voice, video, and
23 data networks.

24 “(I) Explosive mitigation devices and ex-
25 plosive detection and analysis equipment.

1 “(J) Containment vessels.

2 “(K) Contaminant-resistant vehicles.

3 “(L) Aerial platforms.

4 “(M) Special rescue equipment.

5 “(N) Screening and patrolling tech-
6 nologies.

7 “(O) Such other equipment for which the
8 Secretary determines that national voluntary
9 consensus standards would be appropriate.

10 “(3) CERTIFICATION AND ACCREDITATION.—

11 The Secretary, in carrying out this subsection, and
12 in coordination with the Director of the National In-
13 stitute of Standards and Technology, may support
14 the certification of equipment and the accreditation
15 of laboratories to conduct testing and evaluation.

16 “(4) EQUIPMENT STANDARDS AND ACQUISI-
17 TIONS.—

18 “(A) DEPARTMENT SUPPORTED ACQUISI-
19 TIONS.—If an applicant for financial assistance
20 provided by the Department proposes to use
21 such financial assistance to upgrade or pur-
22 chase new equipment or systems that do not
23 meet or exceed any applicable national vol-
24 untary consensus standards, the applicant shall
25 include in its application for financial assistance

1 an explanation of why such equipment or sys-
2 tems will serve the needs of the applicant better
3 than equipment or systems that meet or exceed
4 such standards.

5 “(B) DEPARTMENT ACQUISITIONS.—When
6 an operational unit of the Department proposes
7 to upgrade or purchase new equipment or sys-
8 tems, the head of that unit shall consult with
9 the Under Secretary for Science and Tech-
10 nology on whether such equipment or systems
11 meet or exceed any applicable national vol-
12 untary consensus standards and whether there
13 is need for the Department to support the de-
14 velopment or updating of applicable national
15 voluntary consensus standards.

16 “(b) TRAINING STANDARDS.—

17 “(1) IN GENERAL.—The Secretary, acting
18 through the Under Secretary for Science and Tech-
19 nology, and in consultation with other components of
20 the Department, as appropriate, shall support the
21 development, promulgation, and regular updating as
22 necessary of national voluntary consensus standards
23 for training that will enable Federal, State, and local
24 government and nongovernment emergency response
25 providers and Department personnel to use equip-

1 ment effectively and appropriately in carrying out
2 their responsibilities. Such standards shall give pri-
3 ority to providing training to—

4 “(A) enable Federal, State, and local gov-
5 ernment and nongovernment emergency re-
6 sponse providers and Department personnel to
7 prevent, prepare for, respond to, mitigate
8 against, and recover from terrorist threats, in-
9 cluding threats from chemical, biological, radio-
10 logical, and nuclear weapons and explosive de-
11 vices capable of inflicting significant human
12 casualties, and other emergencies; and

13 “(B) familiarize Federal, State, and local
14 government and nongovernment emergency re-
15 sponse providers and Department personnel
16 with the proper use of equipment, including
17 software, developed pursuant to the standards
18 established under subsection (a).

19 “(2) REQUIRED CATEGORIES.—In carrying out
20 paragraph (1), the Secretary specifically shall in-
21 clude the following categories of activities:

22 “(A) Regional planning.

23 “(B) Joint exercises.

24 “(C) Intelligence collection, analysis, and
25 sharing.

1 “(D) Decisionmaking protocols for incident
2 response and alarms.

3 “(E) Emergency notification of affected
4 populations.

5 “(F) Detection of biological, nuclear, radi-
6 ological, and chemical weapons of mass destruc-
7 tion.

8 “(G) Screening and patrolling procedures.

9 “(H) Such other activities for which the
10 Secretary determines that national voluntary
11 consensus training standards would be appro-
12 priate.

13 “(3) CONSISTENCY.—In carrying out this sub-
14 section, the Secretary shall ensure that—

15 “(A) training standards for Federal, State,
16 and local government and nongovernment emer-
17 gency response providers are consistent with the
18 principles of emergency preparedness for all
19 hazards; and

20 “(B) training standards for Department
21 personnel are consistent with the
22 counterterrorism and traditional responsibilities
23 of the Department.

24 “(c) CONSULTATION WITH STANDARDS ORGANIZA-
25 TIONS.—In establishing national voluntary consensus

1 standards for equipment for and training under this sec-
2 tion, the Secretary shall consult with relevant public and
3 private sector groups, including—

4 “(1) the National Institute of Standards and
5 Technology;

6 “(2) the National Fire Protection Association;

7 “(3) the National Association of County and
8 City Health Officials;

9 “(4) the Association of State and Territorial
10 Health Officials;

11 “(5) the American National Standards Insti-
12 tute;

13 “(6) the National Institute of Justice;

14 “(7) the Inter-Agency Board for Equipment
15 Standardization and Interoperability;

16 “(8) the National Public Health Performance
17 Standards Program;

18 “(9) the National Institute for Occupational
19 Safety and Health;

20 “(10) ASTM International;

21 “(11) the International Safety Equipment Asso-
22 ciation;

23 “(12) the Emergency Management Accredita-
24 tion Program; and

1 “(13) to the extent the Secretary considers ap-
2 propriate, other national voluntary consensus stand-
3 ards development organizations, other interested
4 Federal, State, and local agencies, and other inter-
5 ested persons.

6 “(d) COORDINATION WITH SECRETARIES OF HHS
7 AND TRANSPORTATION.—In establishing any national vol-
8 untary consensus standards under this section for equip-
9 ment for or training of emergency response providers that
10 involve or relate to health or emergency medical services
11 professionals, including emergency medical professionals,
12 the Secretary shall coordinate activities under this section
13 with the Secretary of Health and Human Services and the
14 Secretary of Transportation.”.

15 (b) TABLE OF CONTENTS AMENDMENT.—The table
16 of contents of the Homeland Security Act of 2002 is
17 amended by adding after the item relating to section 313
18 the following new item:

 “Sec. 314. National standards for homeland security equipment and training.”.

19 **SEC. 3. TECHNOLOGY DEVELOPMENT AND TRANSFER.**

20 (a) ESTABLISHMENT OF TECHNOLOGY CLEARING-
21 HOUSE.—Not later than 90 days after the date of enact-
22 ment of this Act, the Secretary shall complete the estab-
23 lishment of the Technology Clearinghouse under section
24 313 of the Homeland Security Act of 2002.

1 (b) TRANSFER PROGRAM.—Section 313 of the Home-
2 land Security Act of 2002 (6 U.S.C. 193) is amended—

3 (1) in subsection (b)(3), by striking “subsection
4 (c)(2)” and inserting “subsection (e)(2)”;

5 (2) by adding at the end of subsection (b) the
6 following new paragraph:

7 “(6) The establishment of a homeland security
8 technology transfer program to facilitate the identi-
9 fication, modification, and commercialization of tech-
10 nology and equipment for use by Federal, State, and
11 local governmental agencies, emergency response
12 providers, and the private sector to prevent, prepare
13 for, or respond to acts of terrorism or other emer-
14 gencies.”;

15 (3) by redesignating subsection (c) as sub-
16 section (e); and

17 (4) by inserting after subsection (b) the fol-
18 lowing new subsections:

19 “(c) ELEMENTS OF THE TECHNOLOGY TRANSFER
20 PROGRAM.—The activities of the program described in
21 subsection (b)(6) shall include—

22 “(1) identifying available technologies that have
23 been, or are in the process of being, developed, test-
24 ed, evaluated, or demonstrated by the Department,
25 other Federal agencies, the private sector, or foreign

1 governments and international organizations, and re-
2 viewing whether such technologies may be useful in
3 assisting Federal, State, and local governmental
4 agencies, emergency response providers, or the pri-
5 vate sector to prevent, prepare for, respond to, or re-
6 cover from acts of terrorism or other emergencies;
7 and

8 “(2) communicating to Federal, State, and local
9 governmental agencies, emergency response pro-
10 viders, or the private sector the availability of such
11 technologies, as well as the technology’s specifica-
12 tions, satisfaction of appropriate standards, and the
13 appropriate grants available from the Department to
14 purchase such technologies.

15 “(d) RESPONSIBILITIES OF UNDER SECRETARY FOR
16 SCIENCE AND TECHNOLOGY.—In support of the activities
17 described in subsection (c), the Under Secretary for
18 Science and Technology shall—

19 “(1) conduct or support, based on the Depart-
20 ment’s current risk assessments, research, develop-
21 ment, demonstrations, tests, and evaluations, as ap-
22 propriate, of technologies identified under subsection
23 (c)(1), including of—

1 “(A) any necessary modifications to such
2 technologies for use by emergency response pro-
3 viders; and

4 “(B) incorporation of human factors in the
5 development and suggested use of such tech-
6 nologies;

7 “(2) ensure that the technology transfer activi-
8 ties throughout the Directorate of Science and Tech-
9 nology are coordinated, including the technology
10 transfer aspects of projects and grants awarded to
11 the private sector and academia;

12 “(3) consult with the other Under Secretaries
13 of the Department, the Director of the Federal
14 Emergency Management Agency, and the Director
15 of the Domestic Nuclear Detection Office on an on-
16 going basis;

17 “(4) consult with Federal, State, and local
18 emergency response providers;

19 “(5) consult with government agencies and
20 standards development organizations as appropriate;

21 “(6) enter into agreements and coordinate with
22 other Federal agencies, foreign governments, and
23 national and international organizations as appro-
24 priate, in order to maximize the effectiveness of such

1 technologies or to facilitate commercialization of
2 such technologies;

3 “(7) consult with existing technology transfer
4 programs and Federal and State training centers
5 that research, develop, test, evaluate, and transfer
6 military and other technologies for use by emergency
7 response providers; and

8 “(8) establish a working group in coordination
9 with the Secretary of Defense to advise and assist
10 the technology clearinghouse in the identification of
11 military technologies that are in the process of being
12 developed, or are developed, by the Department of
13 Defense or the private sector, which may include—

14 “(A) representatives from the Department
15 of Defense or retired military officers;

16 “(B) nongovernmental organizations or
17 private companies that are engaged in the re-
18 search, development, testing, or evaluation of
19 related technologies or that have demonstrated
20 prior experience and success in searching for
21 and identifying technologies for Federal agen-
22 cies;

23 “(C) Federal, State, and local emergency
24 response providers; and

1 “(D) as appropriate, other organizations,
2 other interested Federal, State, and local agen-
3 cies, and other interested persons.”.

4 (c) REPORT.—Not later than 1 year after the date
5 of enactment of this Act, the Under Secretary for Science
6 and Technology shall transmit to the Congress a descrip-
7 tion of the progress the Department has made in imple-
8 menting the provisions of section 313 of the Homeland
9 Security Act of 2002, as amended by this Act, including
10 a description of the process used to review unsolicited pro-
11 posals received as described in subsection (b)(3) of such
12 section.

13 (d) SAVINGS CLAUSE.—Nothing in this section (in-
14 cluding the amendments made by this section) shall be
15 construed to alter or diminish the effect of the limitation
16 on the authority of the Secretary of Homeland Security
17 under section 302(4) of the Homeland Security Act of
18 2002 (6 U.S.C. 182(4)) with respect to human health-re-
19 lated research and development activities.

20 **SEC. 4. HOMELAND SECURITY INSTITUTE.**

21 (a) TRANSFER.—Not later than 90 days after the
22 date of enactment of this Act, the Secretary shall transfer
23 responsibility for administering the Homeland Security In-
24 stitute established under section 312 of the Homeland Se-
25 curity Act of 2002 (6 U.S.C. 192) to the Under Secretary

1 for Policy, Planning, and International Affairs. The
 2 Homeland Security Institute shall continue to carry out
 3 the duties described in subsection (c) of such section. Sec-
 4 tion 872 of the Homeland Security Act of 2002 (6 U.S.C.
 5 452) shall not apply to a transfer under this section.

6 (b) TERMINATION.—Section 312(g) of the Homeland
 7 Security Act of 2002 (6 U.S.C. 192(g)) is amended by
 8 striking “5 years” and inserting “10 years”.

9 **SEC. 5. HOMELAND SECURITY TECHNOLOGY ADVISORY**
 10 **COMMITTEE.**

11 Section 311(j) of the Homeland Security Act of 2002
 12 (6 U.S.C. 191(j)) is amended to read as follows:

13 “(j) TERMINATION.—The Department of Homeland
 14 Security Science and Technology Advisory Committee
 15 shall terminate 10 years after its establishment.”.

16 **SEC. 6. REGIONAL TECHNOLOGY INTEGRATION PROGRAM.**

17 (a) AMENDMENT.—Title III of the Homeland Secu-
 18 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
 19 adding at the end the following:

20 **“SEC. 315. REGIONAL TECHNOLOGY INTEGRATION PRO-**
 21 **GRAM.**

22 “(a) IN GENERAL.—The Under Secretary for Science
 23 and Technology, in coordination with the Under Secretary
 24 for Preparedness and with appropriate governors, mayors,
 25 and other State and local government officials, shall pro-

1 vide technical guidance, training, and other assistance, as
2 appropriate, to support the transfer and integration of
3 homeland security technologies and protocols in urban and
4 other high risk jurisdictions determined by the Secretary
5 to be at consistently high levels of risk from terrorist at-
6 tack.

7 “(b) ACTIVITIES.—The program supported under
8 subsection (a) shall work to—

9 “(1) facilitate the transition of innovative tech-
10 nologies and operational concepts, including those
11 described in subsection (c);

12 “(2) integrate new technologies with existing in-
13 frastructure, systems, and concepts;

14 “(3) identify capability and technology gaps for
15 future research, development, test, and evaluation;

16 “(4) evaluate system performance, life cycle,
17 and human factor issues; and

18 “(5) disseminate lessons learned to other com-
19 munities.

20 “(c) INNOVATIVE TECHNOLOGIES AND OPERATIONAL
21 CONCEPTS.—The innovative technologies and operational
22 concepts referred to in subsection (b)(1) include—

23 “(1) detection systems for weapons of mass de-
24 struction;

- 1 “(2) emergency management information sys-
 2 tems;
 3 “(3) situational awareness;
 4 “(4) information sharing;
 5 “(5) atmospheric transport and dispersion mod-
 6 eling;
 7 “(6) public alerts and warnings;
 8 “(7) aerial platforms; and
 9 “(8) emergency medical support.”.

10 (b) TABLE OF CONTENTS AMENDMENT.—The table
 11 of contents of the Homeland Security Act of 2002 is
 12 amended by adding after the item relating to section 314
 13 the following new item:

“Sec. 315. Regional technology integration program.”.

14 **SEC. 7. CYBERSECURITY RESEARCH AND DEVELOPMENT.**

15 (a) AMENDMENT.—Title III of the Homeland Secu-
 16 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
 17 adding at the end the following new section:

18 **“SEC. 316. CYBERSECURITY RESEARCH AND DEVELOP-**
 19 **MENT.**

20 “(a) IN GENERAL.—The Under Secretary for Science
 21 and Technology shall support research and development,
 22 including fundamental, long-term research, in
 23 cybersecurity to improve the ability of the United States
 24 to prevent, protect against, detect, respond to, and recover

1 from cyber attacks, with emphasis on research and devel-
2 opment relevant to large-scale, high-impact attacks.

3 “(b) ACTIVITIES.—The research and development
4 supported under subsection (a) shall include work to—

5 “(1) advance the development and accelerate
6 the deployment of more secure versions of critical in-
7 formation systems, including—

8 “(A) fundamental Internet protocols and
9 architectures, including for the domain name
10 system and routing protocols; and

11 “(B) control systems used in critical infra-
12 structure sectors;

13 “(2) improve and create technologies for detect-
14 ing attacks or intrusions, including monitoring tech-
15 nologies;

16 “(3) improve and create mitigation and recov-
17 ery methodologies, including techniques for contain-
18 ment of attacks and development of resilient net-
19 works and systems that degrade gracefully; and

20 “(4) develop and support infrastructure and
21 tools to support cybersecurity research and develop-
22 ment efforts, including modeling, testbeds, and data
23 sets for assessment of new cybersecurity tech-
24 nologies.

1 “(c) COORDINATION.—In carrying out this section,
 2 the Under Secretary for Science and Technology shall co-
 3 ordinate activities with—

4 “(1) the Assistant Secretary for Cybersecurity
 5 and Telecommunications; and

6 “(2) other Federal agencies, including the Na-
 7 tional Science Foundation, the Defense Advanced
 8 Research Projects Agency, the Information Assur-
 9 ance Directorate of the National Security Agency,
 10 and the National Institute of Standards and Tech-
 11 nology, to identify unmet needs and cooperatively
 12 support activities, as appropriate.

13 “(d) NATURE OF RESEARCH.—Activities under this
 14 section shall be carried out in accordance with section
 15 306(a) of this Act.”.

16 (b) TABLE OF CONTENTS AMENDMENT.—The table
 17 of contents of the Homeland Security Act of 2002 is
 18 amended by adding after the item relating to section 315
 19 the following new item:

“Sec. 316. Cybersecurity research and development.”.

20 **SEC. 8. STANDARDS FOR CRITICAL INFRASTRUCTURE IN-**
 21 **FORMATION SYSTEMS.**

22 (a) AMENDMENT.—Title III of the Homeland Secu-
 23 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
 24 adding at the end the following new section:

1 **“SEC. 317. STANDARDS FOR CRITICAL INFRASTRUCTURE**
2 **INFORMATION SYSTEMS.**

3 “(a) STANDARDS PROGRAM.—The Under Secretary
4 for Science and Technology shall establish a program to
5 support the development and promulgation of national vol-
6 untary consensus standards for requirements, perform-
7 ance testing, and user training with respect to critical in-
8 frastructure information systems.

9 “(b) PURPOSE.—The standards developed under sub-
10 section (a) shall be designed to assist State and local juris-
11 dictions, including those in urban and other areas at con-
12 sistently high levels of risk from terrorist attack, and
13 emergency response providers to acquire and implement
14 critical infrastructure information systems and to store
15 and access information regarding critical infrastructure to
16 be used in responding to acts of terrorism or other emer-
17 gencies.

18 “(c) REQUIREMENTS.—The standards developed
19 under subsection (a) shall be designed to facilitate—

20 “(1) the interoperability of systems to enable
21 sharing of information in a variety of formats and
22 across stakeholders at the Federal, State, and local
23 levels;

24 “(2) the ease of deployment of the systems to
25 the field;

1 “(3) the ability to retrieve situational awareness
2 information in real-time;

3 “(4) the integrity, security, and accessibility of
4 stored information;

5 “(5) the application of human factors science in
6 the development of the system;

7 “(6) the availability and content of training
8 programs for potential users; and

9 “(7) meeting any other requirements deter-
10 mined by the Under Secretary to be appropriate.

11 “(d) REPORTS.—The Under Secretary for Science
12 and Technology shall submit to Congress—

13 “(1) 6 months after the date of enactment of
14 this section, a report describing the plan for carrying
15 out the program under this section, which shall in-
16 clude a schedule for the development of national vol-
17 untary consensus standards for critical infrastruc-
18 ture information systems; and

19 “(2) 12 months after the date of enactment of
20 this section, a report which shall include a descrip-
21 tion of—

22 “(A) the steps taken under this program
23 and the funding dedicated to this program; and

1 “(B) the steps that have been or will be
2 taken to promote the adoption of the standards
3 by appropriate standard-setting organizations.

4 “(e) DEFINITIONS.—In this section—

5 “(1) the term ‘critical infrastructure informa-
6 tion systems’ means software programs that store,
7 manage, and display information about critical infra-
8 structure to support situational awareness and real-
9 time decisionmaking of law enforcement, fire serv-
10 ices, emergency medical services, emergency manage-
11 ment agencies, other emergency response providers,
12 and critical infrastructure facility stakeholders. Crit-
13 ical infrastructure information may include maps
14 and other geospatial information, emergency plans,
15 interior and exterior imagery, entry and exit points,
16 and any other information about infrastructure or
17 facilities that may be beneficial to users of critical
18 infrastructure information systems; and

19 “(2) the term ‘critical infrastructure’ has the
20 meaning given that term in section 1016(e) of the
21 Uniting and Strengthening America by Providing
22 Appropriate Tools Required to Intercept and Ob-
23 struct Terrorism (USA PATRIOT ACT) Act of
24 2001 (42 U.S.C. 5195c(e)).”.

1 (b) TABLE OF CONTENTS AMENDMENT.—The table
 2 of contents of the Homeland Security Act of 2002 is
 3 amended by adding after the item relating to section 316
 4 the following new item:

“Sec. 317. Standards for critical infrastructure information systems.”.

5 **SEC. 9. SCHOLARSHIP AND FELLOWSHIP PROGRAMS AT**
 6 **THE DEPARTMENT OF HOMELAND SECURITY.**

7 (a) IN GENERAL.—Title III of the Homeland Secu-
 8 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
 9 adding at the end the following new section:

10 **“SEC. 318. SCHOLARSHIP AND FELLOWSHIP PROGRAMS.**

11 “(a) IN GENERAL.—The Secretary, acting through
 12 the Under Secretary for Science and Technology, shall en-
 13 courage the development of an adequate supply of people
 14 trained in and performing research in science, technology,
 15 engineering, and mathematical fields relevant to homeland
 16 security.

17 “(b) RESPONSIBILITIES.—In carrying out this sec-
 18 tion, the Secretary may support—

19 “(1) programs at the undergraduate, graduate,
 20 and postdoctoral levels; and

21 “(2) internship programs that take advantage
 22 of the homeland security research infrastructure
 23 available to the Department, including laboratories
 24 owned or operated by the Department, the Depart-

“Sec. 318. Scholarship and fellowship programs.”.

9 (a) IN GENERAL.—Title III of the Homeland Secu-
10 rity Act of 2002 (6 U.S.C. 181 et seq.) is amended by
11 adding at the end the following new section:

“(a) IN GENERAL.—The Under Secretary for Science and Technology, in consultation with the Privacy Officer, shall establish a demonstration program to test the effectiveness and varied applications of utilizing surveillance systems technology to enhance homeland security.

“(b) PURPOSE.—The demonstration program required by this section shall enhance surveillance through technology, tools, and techniques to improve situational awareness and provide a more robust solution to managing and reducing the risk of terrorism in certain environments, including mass transit and commercial sites.

1 “(c) REQUIREMENTS.—The demonstration program
2 required by this section shall—

3 “(1) select appropriate venues which need ex-
4 panded use of surveillance technology;

5 “(2) thoroughly consider and incorporate best
6 practices from United States allies abroad, including
7 the United Kingdom, Israel, Canada, and Australia;

8 “(3) develop an implementation plan which in-
9 cludes a privacy and civil liberties impact statement;
10 and

11 “(4) in the case of a mass transit system, be
12 consistent with the research and development re-
13 quirements of the National Strategy for Transpor-
14 tation Security.

15 “(d) MASS TRANSIT SECURITY.—In carrying out a
16 project under subsection (a) for a mass transit facility,
17 the Under Secretary shall consult with the Assistant Sec-
18 retary for the Transportation Security Administration.”.

19 (b) TABLE OF CONTENTS AMENDMENT.—The table
20 of contents of the Homeland Security Act of 2002 is
21 amended by adding after the item relating to section 318
22 the following new item:

“Sec. 319. Surveillance camera demonstration program.”.

