To enhance homeland security by improving efforts to prevent, protect against, respond to, and recover from an attack with a weapon of mass destruction, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. PASCRELL introduced the following bill; which was referred to the Committee on _____________________________

A BILL

To enhance homeland security by improving efforts to prevent, protect against, respond to, and recover from an attack with a weapon of mass destruction, and for other purposes.

1 Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

3 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

4 (a) SHORT TITLE.—This Act may be cited as the “WMD Prevention and Preparedness Act of 2011”.

6 (b) TABLE OF CONTENTS.—The table of contents for this Act is as follows:
Sec. 1. Short title; table of contents.
Sec. 2. Definitions.

TITLE I—A NATIONAL BIODEFENSE ENTERPRISE

Sec. 101. Special Assistant for Biodefense.
Sec. 102. National biodefense plan.
Sec. 103. National biosurveillance strategy.
Sec. 104. Comprehensive cross-cutting biodefense budget analysis.

TITLE II—INTELLIGENCE MATTERS

Sec. 201. National Intelligence Strategy for Countering the Threat from Weapons of Mass Destruction.

TITLE III—HOMELAND SECURITY MATTERS

Sec. 301. Weapons of mass destruction prevention and preparedness.

“TITLE XXI—WEAPONS OF MASS DESTRUCTION PREVENTION AND PREPAREDNESS

“Subtitle A—Prevention

“Sec. 2101. Weapons of mass destruction intelligence and information sharing.
“Sec. 2102. Risk assessments.
“Sec. 2103. Periodic homeland security review of criminal statutes.
“Sec. 2104. Export enforcement for counterproliferation.
“Sec. 2105. Communication of threat information.
“Sec. 2106. Individual and community preparedness for chemical, biological, radiological, and nuclear attacks.

“Subtitle B—Protection

“Sec. 2121. Detection of biological attacks.
“Sec. 2122. Rapid biological threat detection and identification at ports of entry.
“Sec. 2123. Evaluating detection technology.
“Sec. 2124. Laboratory biosecurity information sharing.
“Sec. 2125. Domestic implementation of the Global Nuclear Detection Architecture.

“Subtitle C—Response

“Sec. 2131. First responder guidance concerning chemical, biological, radiological, and nuclear attacks.
“Sec. 2132. Integrated plume modeling for collective response.
“Sec. 2133. Establishment of the system assessment and validation for emergency responders (SAVER) program.
“Sec. 2134. Payment for laboratory response services.
“Sec. 2135. Bioforensics capabilities.
“Sec. 2136. Federal law enforcement training to investigate biological threats.
“Sec. 2137. Metropolitan Medical Response System Program.

“Subtitle D—Recovery
“Sec. 2141. Identifying and addressing gaps in recovery capabilities.
“Sec. 2142. Recovery from a chemical, biological, radiological, and nuclear
attack or incident.
“Sec. 2143. Exercises.
Sec. 302. Enhancing laboratory biosecurity.
Sec. 303. Definitions.
Sec. 304. Dual-use terrorist risks from synthetic biology.
Sec. 305. Dissemination of information analyzed by the Department to State,
local, tribal, and private entities with responsibilities relating to
homeland security.

TITLE IV—PUBLIC HEALTH MATTERS

Sec. 401. Sense of Congress regarding Federal coordination on medical coun-
termeasures.
Sec. 402. National medical countermeasure dispensing strategy.
Sec. 403. National pre-event vaccination and antimicrobial dispensing policy re-
view.
Sec. 404. Management of short shelf life vaccine and antimicrobial stockpiles.
Sec. 405. Material threat determinations reviews.
Sec. 406. Background checks.

TITLE V—FOREIGN RELATIONS MATTERS

Sec. 501. International engagement to enhance biodefense and laboratory bio-
security.
Sec. 502. International collaboration and information sharing relating to bio-
security.
Sec. 503. Interagency task force on best practices for global biopreparedness.
Sec. 504. Biological and Toxin Weapons Convention.

1 SEC. 2. DEFINITIONS.

In this Act:

(1) The term “appropriate congressional com-
mittees” means the Committee on Homeland Secu-
rity of the House of Representatives and any com-
mittee of the House of Representatives or the Senate
having legislative jurisdiction under the rules of the
House of Representatives or Senate, respectively,
over the matter concerned.
(2) The term “Intelligence Community” has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 401a(4)).

(3) The term “national biosecurity and bio-defense stakeholders” means officials from the Federal, State, local, and tribal authorities and individuals from the private sector who are involved in efforts to prevent, protect against, respond to, and recover from a biological attack or other phenomena that may have serious health consequences for the United States, including wide-scale fatalities or infectious disease outbreaks.

TITLE I—A NATIONAL BIODEFENSE ENTERPRISE

SEC. 101. SPECIAL ASSISTANT FOR BIODEFENSE.

(a) In General.—The President shall assign a member of the National Security Council to serve as Special Assistant to the President for Biodefense, who shall—

(1) serve as the principal advisor to the President regarding coordination of Federal biodefense policy including prevention, protection, response, and recovery from biological attacks or other phenomena that may have serious health consequences for the United States, including wide-scale fatalities or infectious disease outbreaks;
(2) identify gaps, duplication, and other inefficiencies in existing biodefense activities and the actions necessary to overcome these obstacles;

(3) lead the development of a coordinated National Biodefense Plan, in accordance with section 102;

(4) lead the development of a coordinated National Biosurveillance Strategy, in accordance with section 103;

(5) lead the development of a coordinated national research and development strategy and implementation plan for microbial forensics, the latter to be updated not less than once every four years;

(6) oversee, in coordination with the Director of the Office of Management and Budget, the development of a comprehensive cross-cutting biodefense budget analysis to inform prioritization of resources and ensure that biodefense challenges are adequately addressed, in accordance with section 104; and

(7) conduct ongoing oversight and evaluation of implementation of Federal biodefense activities by relevant Government departments and agencies.

(b) ACCESS BY CONGRESS.—The appointment of the Special Assistant to the President for Biodefense shall not be construed as affecting access by Congress or commit-
tees of either House of Congress to information, docu-
ments, and studies in the possession of, or conducted by
or at the direction of, the Special Assistant.

SEC. 102. NATIONAL BIODEFENSE PLAN.

The Special Assistant to the President for Biodefense
shall submit to the President a National Biodefense Plan
that—

(1) identifies biological risks to the Nation to be
addressed by the Plan, consistent with section 2102
of the Homeland Security Act of 2002, as amended
by this Act;

(2) delineates activities and tasks to be per-
formed, including prevention, protection, response,
and recovery activities, to address the risks identi-
fied under paragraph (1);

(3) identifies biodefense assets, interdepend-

cies, and capability gaps;

(4) defines organizational roles, responsibilities,
and coordination of Federal, State, local, and tribal
authorities with respect to the activities and tasks
delineated in (2);

(5) integrates and supports the strategies out-
lined in Presidential Policy Directives 2 and 8 and
Homeland Security Presidential Directives 5, 9, 10,
18, 21, and their successors, and other strategy documents as appropriate;

(6) is consistent with the National Response Framework as published by the Secretary of Homeland Security in January 2008, and any successors thereof;

(7) incorporates input from Federal, State, local, and tribal stakeholders;

(8) provides planning guidance to biosecurity and biodefense stakeholders; and

(9) shall be delivered to the President and the Congress within 18 months after the date of the enactment of this Act, and updated as necessary.

SEC. 103. NATIONAL BIOSURVEILLANCE STRATEGY.

(a) STRATEGY FOR BIOSURVEILLANCE.—The Special Assistant to the President for Biodefense shall publish a National Strategy for Biosurveillance.

(b) MATTERS FOR CONSIDERATION.—In developing the strategy required under subsection (a), the Special Assistant shall take into consideration—

(1) the state of biosurveillance domestically and internationally;

(2) material threat assessments and determinations developed by the Secretary in accordance with
the Project BioShield Act of 2004 (Public Law 108–
276) and the amendments made by that Act;

(3) reports on global trends produced by the
Office of the Director of National Intelligence re-
garding the biological threat;

(4) information available in biosurveillance sys-
tems and changes to information technology includ-
ing systems used commercially to allow for the incor-
poration and integration of this information;

(5) Intelligence Community needs as articulated
in relevant intelligence strategies; and

(6) costs associated with establishing and main-
taining the necessary infrastructure to integrate bio-
surveillance systems.

(c) IMPLEMENTATION PLAN.—In addition to the
strategy required under subsection (a), the Special Assist-
ant shall publish an implementation plan for such strategy
that includes benchmarks for measuring the success of the
Strategy. The implementation plan shall—

(1) include a plan for advancing situational
awareness of biological threats, by rapid detection
and dissemination of biosurveillance information in
real time, and through other means;
(2) identify key elements of information to be shared, critical sensitivities to be protected, and a framework for enabling information exchange;

(3) include a plan for fostering information sharing among national biosecurity and biodefense stakeholders to identify potential threats, reduce vulnerabilities and improve collective response activities to and investigations of suspected biological attacks; and

(4) include a plan for enhancing the capability of the Federal Government to rapidly identify, characterize, localize, and track a biological event of national concern by integrating and analyzing data relating to human health, animal, plant, food, and environmental monitoring systems (both national and international).

(d) **DEADLINE; SUBMISSION; UPDATES.**—The Special Assistant shall—

(1) publish the strategy, and submit it to the appropriate congressional committees, by not later than one year after the date of enactment of this Act; and

(2) publish an implementation plan for such strategy not later than two years after the date of
enactment of this Act, and update the implementa-
tion plan at least once every four years.

SEC. 104. COMPREHENSIVE CROSS-CUTTING BIODEFENSE

BUDGET ANALYSIS.

(a) IN GENERAL.—In order to enhance strategic
planning, eliminate redundancies, identify capability gaps,
and provide for greater transparency, the Special Assist-
ant to the President for Biodefense, in coordination with
the Director of the Office of Management and Budget,
shall transmit to the appropriate congressional commit-
tees, concurrent with the submission of the President’s an-
ual budget to the Congress, a comprehensive cross-cut-
ting biodefense budget analysis that delineates and inte-
grates the biodefense expenditure requests for the depart-
ments and agencies headed by the officials listed in sub-
section (c).

(b) CONTENTS.—

(1) IN GENERAL.—The comprehensive cross-
cutting biodefense budget analysis shall provide a
detailed, separate analysis, by budget function, by
department or agency, and by initiative area (as de-
termined by the Administration), for the prior fiscal
year, the current fiscal year, and the fiscal years for
which the budget is submitted, identifying the
amounts of gross and net appropriations or
obligational authority and outlays that contribute to biodefense, with separate displays for mandatory and discretionary amounts, including—

(A) summaries of the total amount of such appropriations or obligational authority and outlays requested for biodefense;

(B) an estimate of the current service levels of biodefense spending; and

(C) an indication of how the Federal activities or accounts covered by the analysis support the activities delineated in the National Biodefense Plan under section 102(2).

(2) Account-Level Amounts.—With respect to subparagraphs (A) through (C) of paragraph (1), amounts shall be provided by account for each program, project, and activity.

(c) Coordination.—In implementing this section, including determining what Federal activities or accounts constitute biodefense for purposes of budgetary classification, the Special Assistant, in coordination with the Director of Office of Management and Budget, shall consult with—

(1) the Secretary of Agriculture;

(2) the Secretary of Commerce;

(3) the Secretary of Defense;
(4) the Secretary of Energy;
(5) the Secretary of Health and Human Services;
(6) the Secretary of Homeland Security;
(7) the Secretary of State;
(8) the Secretary of Veterans Affairs;
(9) the Attorney General;
(10) the Administrator of the Environmental Protection Agency;
(11) the Director of the National Science Foundation; and
(12) the Postmaster General of the United States;

(d) CONSULTATION WITH CONGRESS.—Periodically, but at least annually, the Special Assistant for Biodefense shall consult with the Committee on Homeland Security of the House of Representatives, the Committee on Homeland Security and Governmental Affairs of the Senate, the Budget Committees of the House of Representatives and the Senate, the Appropriations Committees of the House of Representatives and the Senate, and the Congressional Budget Office.
TITLE II—INTELLIGENCE
MATTERS

SEC. 201. NATIONAL INTELLIGENCE STRATEGY FOR COUNTERING THE THREAT FROM WEAPONS OF MASS DESTRUCTION.

(a) Strategy.—

(1) Development.—The Director of National Intelligence, in consultation with the Secretary of Homeland Security and the heads of other appropriate Federal departments and agencies, shall develop and implement—

(A) a strategy designed to improve the capabilities of the United States to collect, analyze, and disseminate intelligence related to weapons of mass destruction; and

(B) a plan to implement such strategy.

(2) Title.—The strategy required under paragraph (1) shall be known as the “National Intelligence Strategy for Countering the Threat from Weapons of Mass Destruction”.

(b) Contents.—The strategy required under subsection (a) shall—

(1) identify and address target capabilities needed for successful intelligence collection on weapons of mass destruction;
(2) include methods for the recruitment, training, and retention of a workforce with expertise in
the collection, analysis, and dissemination of intelligence related to all types of weapons of mass de-
struction and science and technology related to weapons of mass destruction, as well as expertise in
science and technology relating to risks posed by weapons of mass destruction; and

(3) include methods for information sharing
and collaboration, as appropriate, with non-Federal
national biosecurity and biodefense stakeholders.

(c) IMPLEMENTATION PLAN.—The plan for imple-
menting the strategy required under subsection (a) shall
include—

(1) actions necessary to increase the effectiveness and efficiency of the sharing of intelligence on
weapons of mass destruction throughout the Intelligence Community and with other Federal partners,
including a description of statutory, regulatory, policy, technical, security, or other barriers that impede
such sharing, and, as appropriate, the development of uniform standards across the Intelligence Com-

(2) methods to disseminate intelligence prod-
ucts to national biosecurity and biodefense stake-
holders in classified and unclassified formats to increase the effectiveness and efficiency of the sharing of information;

(3) actions necessary to provide open-source intelligence relating to weapons of mass destruction to—

(A) appropriate Federal departments and agencies;

(B) State, local, and tribal authorities; and

(C) private entities;

(4) specific objectives to be accomplished, with corresponding schedule, for each year of the five-year period that begins on the date on which the strategy is submitted to the appropriate congressional committees under subsection (e) and tasks to accomplish such objectives, including—

(A) a list prioritizing such objectives and such tasks; and

(B) a schedule for meeting such objectives and carrying out such tasks;

(5) assignments of roles and responsibilities to elements of the Intelligence Community to implement the strategy; and

(6) a schedule for assessment of the effectiveness and efficiency of the strategy, including
metrics, and a description of the components of the
assessment.

(d) COORDINATION.—The Director of National Intel-
ligence shall coordinate with State, local, and tribal gov-
ernment authorities, private sector, and nongovernmental
organizations in the development of the National Intel-
ligence Strategy for Countering the Threat from Weapons
of Mass Destruction.

(e) DEADLINE FOR SUBMISSION.—Not later than six
months after the date of the enactment of this Act, the
Director of National Intelligence shall submit to the ap-
propriate congressional committees the strategy and plan
required under subsection (a). The submission shall be in
unclassified form but with a classified annex, as appro-
priate.

(f) UPDATES.—The Director of National Intelligence
shall update the implementation plan at least once every
4 years.

SEC. 202. NATIONAL INTELLIGENCE STRATEGY FOR COUN-
TERING BIOLOGICAL THREATS.

(a) STRATEGY.—

(1) DEVELOPMENT.—The Director of National
Intelligence, in consultation with the Secretary of
Homeland Security, the Secretary of Health and
Human Services, the Special Assistant to the Presi-
dent for Biodefense, and the heads of other appro-
priate Federal departments and agencies, shall de-
velop and implement a strategy and a plan for im-
plementing the strategy that is integrated into the
National Intelligence Strategy for Countering the
Threat from Weapons of Mass Destruction, as re-
quired under this title.

(2) TITLE.—The strategy required under para-
graph (1) shall be known as the “National Intel-
ligence Strategy for Countering Biological Threats”.

(b) CONTENTS.—The strategy required under sub-
section (a) shall—

(1) identify and address target capabilities
needed for successful intelligence collection on bio-
logical threats;

(2) include a plan for establishing in the Intel-
ligence Community a cadre of collectors and analysts
in all relevant agencies in the Intelligence Commu-
nity that are familiar with biological threats, biologi-
cal science, and biotechnology, including—

(A) biological scientists;
(B) biotechnologists; and
(C) experts with knowledge of the current
state of technologies that could be used to de-
velop a weapon of mass destruction;
(3) include a plan for defining the functions, capabilities, and gaps in the Intelligence Community workforce with respect to assessing the biological threat;

(4) include methods for collaboration—
   
   (A) with non-Intelligence Community technical experts within Federal departments and agencies; and
   
   (B) as appropriate, with individuals with expertise described in paragraph (2) who are not employed by the Federal Government, in particular with State and local biodefense stakeholders;

(5) include a plan for defining, integrating, focusing, and enhancing existing capabilities in the Intelligence Community dedicated to current and strategic biological threats; and

(6) include a plan for ensuring the prioritization and sustained commitment of intelligence personnel and resources to address biological threats.

(c) IMPLEMENTATION PLAN.—The implementation plan for the strategy required under subsection (a) shall—

(1) include actions necessary to increase the effectiveness and efficiency of the sharing of intel-
intelligence throughout the Intelligence Community on biological weapons and organisms that could be used for biological terrorism, including a description of statutory, regulatory, policy, technical, security, or other barriers that prevent such sharing, and, as appropriate, the development of uniform standards across the Intelligence Community for such sharing;

(2) address strategic and tactical human intelligence, measurement and signature intelligence, technical intelligence, medical intelligence, and open-source intelligence activities necessary to implement the strategy;

(3) identify specific objectives to be accomplished during each year of the five-year period that begins on the date on which the strategy is submitted to the appropriate congressional committees under subsection (d) and tasks to accomplish such objectives, including—

(A) a list prioritizing such objectives and such tasks; and

(B) a schedule for meeting such objectives and carrying out such tasks;

(4) assign roles and responsibilities to elements of the Intelligence Community to implement the strategy;
(5) a schedule for assessment of the effectiveness and efficiency of the strategy, including metrics; and

(6) a schedule for evaluating on a regular basis the efforts of the Intelligence Community and progress on understanding and countering biological threats.

(d) REPORT.—Not later than one year after the date of the enactment of this Act, the Director of National Intelligence shall submit to the appropriate congressional committees the strategy and plan required under subsection (a). The report shall be in unclassified form but with a classified annex, as appropriate.

(e) UPDATES.—The Director of National Intelligence shall update the implementation plan at least once every 4 years.

TITLE III—HOMELAND SECURITY MATTERS

SEC. 301. WEAPONS OF MASS DESTRUCTION PREVENTION AND PREPAREDNESS.

(a) IN GENERAL.—The Homeland Security Act of 2002 (6 U.S.C. 101 et seq.) is amended by adding at the end the following new title:
“TITLE XXI—WEAPONS OF MASS DESTRUCTION PREVENTION AND PREPAREDNESS

“Subtitle A—Prevention

“SEC. 2101. WEAPONS OF MASS DESTRUCTION INTELLIGENCE AND INFORMATION SHARING.

“(a) In General.—The Office of Intelligence and Analysis of the Department shall—

“(1) conduct intelligence and information sharing activities consistent with the National Intelligence Strategy for Countering the Threat from Weapons of Mass Destruction under section 201 of the WMD Prevention and Preparedness Act of 2011 and the National Intelligence Strategy for Countering Biological Threats under section 202 of that Act;

“(2) support homeland security-focused intelligence analysis of terrorist actors, their claims, and their plans to conduct attacks involving chemical, biological, radiological, and nuclear materials against the Nation;

“(3) support homeland security-focused intelligence analysis of global infectious disease, public health, food, agricultural, and veterinary issues;
“(4) leverage existing and emerging homeland security capabilities and structures, including fusion centers established pursuant to section 210A, to enhance prevention, protection, response, and recovery efforts with respect to a chemical, biological, radiological, or nuclear attack;

“(5) share information and provide tailored analytical support on these threats to State, local, and tribal authorities as well as other national biosecurity and biodefense stakeholders; and

“(6) perform other responsibilities, as assigned by the Secretary.

“(b) COORDINATION.—Where appropriate, the Office of Intelligence and Analysis shall coordinate with other relevant Department components, others in the Intelligence Community, including the National Counter Proliferation Center, and State, local, and tribal authorities, including officials from high-threat areas, and enable such entities to provide recommendations on optimal information sharing mechanisms, including expeditious sharing of classified information, and on how they can provide information to the Department.

“(c) REPORT.—

“(1) IN GENERAL.—Not later than one year after the date of the enactment of this section and
annually thereafter, the Secretary shall report to the
appropriate congressional committees on—

“(A) the intelligence and information shar-
ing activities under subsection (a) and of all rel-
evant entities within the Department to counter
the threat from weapons of mass destruction;
and

“(B) the Department’s activities in accord-
ance with relevant intelligence strategies, in-
cluding the National Intelligence Strategy for
Countering the Threat from Weapons of Mass
 Destruction and the National Intelligence Strat-
ey for Countering Biological Threats.

“(2) ASSESSMENT OF IMPLEMENTATION.—The
report shall include—

“(A) a description of methods established
to assess progress of the Office of Intelligence
and Analysis in implementing this section; and

“(B) such assessment.

“SEC. 2102. RISK ASSESSMENTS.

“(a) IN GENERAL.—The Secretary shall, in coordina-
tion with relevant Department components and other ap-
propriate Federal departments and agencies—
“(1) produce and update periodically a risk assessment of chemical, biological, radiological, and nuclear threats; and

“(2) produce and update periodically an integrated risk assessment that assesses all of those threats and ranks them against one another according to their relative risk.

“(b) METHODOLOGY.—

“(1) IN GENERAL.—The Secretary shall—

“(A) convene an interagency task force of relevant subject matter experts to assess the proposed methodology to be used for assessments required under subsection (a), and to provide recommendations to the Secretary as to the adequacy of such methodology;

“(B) conduct sensitivity analysis on each assessment to identify and prioritize research activities to close knowledge gaps; and

“(C) consider the evolving threat from an intelligent adversary.

“(2) INCLUSION IN ASSESSMENT.—Each assessment under subsection (a) shall include a description of the methodology used for the assessment.

“(c) USAGE.—The assessments required under subsection (a) shall be used to inform and guide—
“(1) the threat assessments and determinations by the Secretary regarding agents and toxins pursuant to section 319F–2 of the Public Health Service Act;

“(2) prioritization of medical countermeasure research, development, acquisition, and distribution activities and other national strategic biodefense research;

“(3) tailored risk assessments, as appropriate, on topics such as radiological materials security or the economic risks of a biological attack; and

“(4) other homeland security activities as determined appropriate by the Secretary and the heads of other agencies.

“(d) INPUT AND SHARING.—The Secretary shall, for each assessment required under subsection (a)—

“(1) seek input from national biosecurity and biodefense stakeholders, and other State, local, and tribal officials involved in efforts to prevent, protect, respond to, and recover from chemical, biological, radiological, and nuclear threats;

“(2) share the risk assessments with Federal, State, local and tribal officials with appropriate security clearances and a need for the information in the classified version; and
“(3) make available an unclassified version for Federal, State, local, and tribal officials involved in prevention and preparedness for chemical, biological, radiological, and nuclear events.

“SEC. 2103. PERIODIC HOMELAND SECURITY REVIEW OF CRIMINAL STATUTES.

“(a) IN GENERAL.—The Attorney General, in consultation with the Secretary and the heads of other Federal departments and agencies, as appropriate, shall, for purposes of enhancing homeland security—

“(1) periodically review and recommend updates to criminal laws to ensure that such laws are well suited to the evolving risks of misuse of life sciences by terrorists and others; and

“(2) ensure that national biosecurity and biodefense stakeholders at unique risk of exploitation have access to guidance regarding actions that can reduce the risk of misuse of life sciences by terrorists and others.

“(b) REPORT.—Not later than six months after the date of the enactment of this section, and biannually thereafter, the Attorney General, in consultation with the Secretary, shall submit to the appropriate congressional committees the recommended updates to criminal laws, as described in subsection (a)(1).
SEC. 2104. EXPORT ENFORCEMENT FOR COUNTERPROLIFERATION.

(a) In General.—The Secretary, in coordination with the Secretary of Commerce, the Secretary of Defense, the Attorney General, the Secretary of State, the Secretary of the Treasury, the Director of National Intelligence, and the heads of other appropriate Federal agencies shall—

(1) conduct homeland security investigations and enforce criminal violations of customs and export laws of the United States related to military items, controlled commodities, and sanctioned or embargoed countries or persons to prevent individuals, terrorist groups, foreign adversaries, and hostile nations from—

(A) illegally obtaining sensitive United States technology and munitions; and

(B) obtaining components, precursors, and delivery systems for chemical, biological, radiological, and nuclear weapons, including—

(i) United States military technical data, hardware, small arms and defense services;

(ii) dual-use technical data/source code and commodities; and

(iii) deemed exports; and
“(2) conduct industry outreach with manufacturers and exporters of strategic commodities that may be targeted for procurement by terrorist organizations and the countries that support them as well as countries identified as weapons proliferators, in a manner that acknowledges commerce and trade, by—

“(A) educating companies and individuals on the export laws of the United States;

“(B) discussing export licensing issues and requirements;

“(C) identifying red flag indicators used in illegal procurement;

“(D) identifying the government agencies responsible for the licensing of export-controlled commodities and technology; and

“(E) establishing and fostering relationships whereby companies and individuals can report suspicious contacts or attempts to violate the export laws of the United States.

“(b) NATIONAL EXPORT ENFORCEMENT COORDINATION.—

“(1) ESTABLISHMENT.—There shall be maintained in the Department the Export Enforcement Coordination Center, with capability for national ex-
port enforcement coordination that is managed by
the Secretary and coordinates the export enforce-
ment activities among the Department, the Depart-
ment of Agriculture, the Department of Commerce,
the Department of Defense, the Department of En-
ergy, the Department of Justice, the Department of
State, the Department of the Treasury, the Intel-
ligence Community, and other Federal agencies as
appropriate.

“(2) Responsibilities.—The Center shall—

“(A) enhance Federal coordination for law
enforcement counterproliferation investigations,
including coordination and deconfliction with
intelligence counterproliferation activities;

“(B) address licensing inquiries, reviews,
requests, checks, and verifications; and

“(C) conduct outreach and provide train-
ing to the export trade community.

“SEC. 2105. COMMUNICATION OF THREAT INFORMATION.

“(a) Findings.—Congress finds the following:

“(1) The Commission on the Prevention of
Weapons of Mass Destruction Proliferation and Ter-
rorism recommended that ‘the Federal Government
should practice greater openness of public informa-
tion so that citizens better understand the threat
and the risk this threat poses to them’.

“(2) There are unique challenges for commu-
nity preparedness for attacks from weapons of mass
destruction.

“(b) COMMUNICATIONS PLAN.—

“(1) IN GENERAL.—A communications plan de-
developed under subsection (a)(4) shall be designed to
provide information to the public related to pre-
venting, preparing for, and responding to chemical,
biological, radiological, and nuclear attacks;

“(2) CONSULTATION.—As appropriate, the
head of each Federal agency shall consult with
State, local, and tribal authorities and coordinate
with other Federal departments and agencies in de-
veloping a communications plans under paragraph
(1).

“(3) PRE-SCRIPTED MESSAGES AND MESSAGE
TEMPLATES.—

“(A) IN GENERAL.—The Administrator of
the Federal Emergency Management Agency
shall develop and disseminate, through the Fed-
eral Emergency Management Agency, inte-
grated public alerts and warnings system, pre-
scripted messages and message templates to be
provided to State, local, and tribal authorities so that those authorities can quickly and rapidly disseminate critical information to the public in anticipation of, during, or in the immediate aftermath of a chemical, biological, radiological, and nuclear attack, and to be included in the Department of Homeland Security’s lessons learned information sharing system.

“(B) DEVELOPMENT AND DESIGN.—The pre-scripted messages or message templates shall—

“(i) be developed in consultation with State, local, and tribal authorities and in coordination with other appropriate Federal departments and agencies;

“(ii) be designed to provide accurate, essential, and appropriate information and instructions to the population directly affected by an incident, including information regarding an evacuation, sheltering in place, hospital surge operations, health, and safety;

“(iii) be designed to provide accurate, essential, and appropriate information and instructions to emergency response pro-
viders and medical personnel responding to
an incident; and

“(iv) include direction for the coordi-
nation of Federal, State, local, and tribal
communications teams.

“(C) COMMUNICATIONS FORMATS.—The
Administrator shall develop pre-scripted mes-
sages or message templates under this para-
graph in multiple formats to ensure delivery—

“(i) in cases where the usual commu-
ications infrastructure is unusable; and

“(ii) to individuals with disabilities or
other special needs and individuals with
limited English proficiency.

“(D) DISSEMINATION AND TECHNICAL AS-
SISTANCE.—The Administrator shall ensure
that all pre-scripted messages and message
templates developed under this paragraph are
made available to State, local, and tribal au-
thorities so that those authorities may incor-
porate them, as appropriate, into their emer-
gency plans. The Administrator shall also make
available relevant technical assistance to those
authorities to support communications plan-
ing.
“(E) EXERCISES.—To ensure that the pre-
scribed messages or message templates devel-
oped under this paragraph can be effectively
utilized in a disaster or incident, the Adminis-
trator shall incorporate Federal, State, local,
and tribal communications teams that deliver
such pre-scripted messages or message tem-
plates into exercises, including those conducted
under the National Exercise Program.

“(4) REPORT.—Not later than one year after
the date of the enactment of this subsection, the Ad-
ministrator of the Federal Emergency Management
Agency shall submit to the appropriate congressional
committees the communications plans required to be
developed under this subsection, including pre-
scribed messages or message templates developed in
conjunction with the plans and a description of the
means that will be used to deliver these messages
during such incidents.

“(c) TERRORISM THREAT AWARENESS.—

“(1) TERRORISM THREAT AWARENESS.—The
Secretary, in coordination with the Attorney General
and heads of appropriate Federal agencies, shall for
purposes of preparedness and collective response to
terrorism and for other purposes—
“(A) ensure that homeland security information concerning terrorist threats is provided to State, local, and tribal authorities and the public within the United States, as appropriate; and

“(B) establish a process to optimize opportunities for qualified heads of State, local, and tribal government entities to obtain appropriate security clearances so that they may receive classified threat information when appropriate.

“(2) THREAT BULLETINS.—

“(A) IN GENERAL.—Consistent with the requirements of paragraph (1), the Secretary shall, on a timely basis, prepare unclassified threat bulletins on chemical, biological, radiological, and nuclear threats.

“(B) REQUIREMENTS.—Each assessment required under subparagraph (A) shall—

“(i) include guidance to the public for preventing and responding to acts of terrorism arising from such threats; and

“(ii) be made available on the Internet Web site of the Department and other publicly accessible Internet Web sites, com-
communication systems, and information networks.

“(3) GUIDANCE TO STATE, LOCAL, AND TRIBAL AUTHORITIES.—The Secretary—

“(A) shall provide to State, local, and tribal authorities written guidance on communicating terrorism-related threats and risks to the public within their jurisdictions; and

“(B) shall identify and articulate the governmental rationale for identifying particular communities as being at heightened risk of exploitation.

“(4) USE OF EXISTING RESOURCES.—The Secretary shall use Internet Web sites, communication systems, and information networks in operation on the date of an assessment under this subsection, and shall coordinate with other heads of Federal departments and agencies to provide information through existing channels to satisfy the requirements of paragraph (2)(B)(ii). The Secretary shall provide guidance on how State, local, tribal, and private entities can partner with public television stations to disseminate information provided by the Department and shall provide information on best practices on disseminating information to residents of local com-
munities, including leveraging public television sta-
tions.

“SEC. 2106. INDIVIDUAL AND COMMUNITY PREPAREDNESS
FOR CHEMICAL, BIOLOGICAL, RADIO-
LOGICAL, AND NUCLEAR ATTACKS.

“(a) IN GENERAL.—The Secretary, acting through
the Administrator for the Federal Emergency Manage-
ment Agency, shall assist State, local, and tribal authori-
ties in improving and promoting individual and community
preparedness and collective response to terrorist attacks
involving chemical, biological, radiological, and nuclear
materials against the United States by—

“(1) developing guidance and checklists of rec-
ommended actions for individual and community
prevention and preparedness efforts and dissemi-
nating such guidance and checklists to communities
and individuals;

“(2) updating new and existing guidance and
checklists as appropriate;

“(3) disseminating the guidance developed
under section 2131 to communities and individuals,
as appropriate;

“(4) providing information and training mate-
rials in support of individual and community pre-
paredness efforts;
“(5) conducting individual and community preparedness outreach efforts; and

“(6) such other actions as the Secretary determines appropriate.

“(b) COORDINATION.—Where appropriate, the Secretary shall coordinate with private sector and nongovernmental organizations to promote individual and community preparedness and collective response to terrorist attacks involving chemical, biological, radiological, and nuclear materials against the United States.

“(c) BEST PRACTICES.—In compiling guidance for individual and community preparedness in order to carry out subsection (a)(4), the Secretary shall give due regard to best practices based on the experience of other agencies and countries and the expertise of academic institutions and nongovernmental organizations.

“Subtitle B—Protection

“SEC. 2121. DETECTION OF BIOLOGICAL ATTACKS.

“(a) PROGRAM.—The Secretary shall carry out a program to detect a biological attack or event that poses a high risk to homeland security. Through such program, the Secretary shall—

“(1) deploy detectors to areas, based on risk, to indicate the presence of biological agents;
“(2) consider multiple deployment strategies including surge capability;

“(3) provide information to participating laboratories for their use in monitoring public health, and biological material from these detectors to participating laboratories for testing;

“(4) regularly communicate with, and provide information about the presence of biological agents to appropriate public health, law enforcement, emergency services, and fire personnel at all levels of government in a manner that ensures transparency with the governments served by such personnel;

“(5) provide advanced planning tools, concepts of operations (including alarm resolution protocols and response guidance), and training exercises (including in collaboration with relevant national level exercises) for collective response to and recovery from biological attacks; and

“(6) provide technical assistance to jurisdictions hosting the program to improve their ability to respond to a detected pathogen.

“(b) PROGRAM REQUIREMENTS.—Under the program required under subsection (a), the Secretary shall—

“(1) enter into memoranda of agreement or interagency agreements under the Economy Act of
1933 (31 U.S.C. 1535 et seq.) with the Director of the Centers of Disease Control and Prevention and the Administrator of the Environmental Protection Agency, and the heads of other Federal departments and agencies, setting forth roles and responsibilities, including with respect to validating performance and developing testing protocols for participating laboratories and coordination with appropriate State, local, and tribal agencies;

“(2) establish criteria for determining whether plans for biological detector capabilities and coverage sufficiently protect the United States population, and make such determinations on an annual basis;

“(3) acting through the Under Secretary for Science and Technology, and in consultation with the Director for the Centers for Disease Control and Prevention, implement an assay equivalency program for biological threat assays that—

“(A) evaluates biological threat detection assays, their protocols for use, and their associated response algorithms for confirmation of biological threat agents, taking performance measures and concepts of operation into consideration;
“(B) develops assay equivalency standards based on the findings of the evaluation under subparagraph (A);

“(C) requires implementation of the standards developed under subparagraph (B) for all Department biological detection programs;

“(D) makes such standards available and promotes their use to support all other Federal biological detection programs; and

“(E) is updated as necessary; and

“(4) prior to acquiring and deploying biodetection technology, require—

“(A) a cost-benefit analysis, including an analysis of alternatives, that shall be informed by the terrorism risk assessments under section 2103;

“(B) operational testing and evaluation; and

“(C) operational assessment by the end users of the technology.

“(c) CONTRACT AUTHORITY.—The Secretary may enter into contracts with participating laboratories for—

“(1) the provision of laboratory services for purposes of this section on a fee-for-service basis or on a prepayment or other similar basis; and
“(2) administrative and other costs related to
hosting program personnel and equipment in these
laboratories.
“(d) DEFINITIONS.—In this section:
“(1) The term ‘participating laboratory’ means
a laboratory that has been accepted as a member of
the Laboratory Response Network for Bioterrorism
that—
“(A) is fully equipped to detect and re-
respond quickly to acts of biological terrorism;
“(B) provides biocontainment and micro-
biological analysis in support of the Depart-
ment, the Federal Bureau of Investigation and
other law enforcement agencies with responsibil-
ities for investigating biological incidents; and
“(C) supports threat agent characteriza-
tion studies and assay evaluation, research and
development.
“(2) The term ‘assay’ means any scientific test
that is designed to detect the presence of a biological
threat agent that is of a type selected under criteria
established by the Secretary.
SEC. 2122. RAPID BIOLOGICAL THREAT DETECTION AND IDENTIFICATION AT PORTS OF ENTRY.

“(a) In General.—The Secretary shall require the Under Secretary for Science and Technology, in consultation with the heads of other relevant operational components of the Department, to assess whether the development of technological screening capabilities for biological agents, pandemic influenza, and other infectious diseases should be undertaken by the Science and Technology Directorate to support entry and exit screening at ports of entry and for other purposes.

“(b) Development of Methods.—If the Under Secretary determines that the development of such screening capabilities should be undertaken, the Secretary shall, to the extent possible, initiate development of safe and effective methods to—

“(1) rapidly screen incoming individuals at ports of entry for biological agents, pandemic influenza, and other infectious diseases; and

“(2) obtain results of such screening near the point of screening.

SEC. 2123. EVALUATING DETECTION TECHNOLOGY.

“The Secretary, in coordination with the Director of the National Institute of Standards and Technology, may carry out a program to—
“(1) establish near-term performance metrics, based to the greatest extent practicable on voluntary consensus standards, to evaluate the effectiveness of detection technology for high-priority biological agents and toxins and high-priority chemical agents;

“(2) establish a process for voluntary testing and evaluation of technology by an accredited laboratory for the effective detection of high-priority biological agents and toxins and high-priority chemical agents, including the collection of fees and incentivization for the program through potential for SAFETY Act certification or placement on the authorized equipment list; and

“(3) with permission from the detection technology manufacturer, make available to Federal departments and agencies, State, territorial, local, and tribal entities, and the private sector the results of detection system testing and evaluation under paragraph (2).

“SEC. 2124. LABORATORY BIOSECURITY INFORMATION SHARING.

“(a) IN GENERAL.—The Secretary shall establish procedures, with appropriate controls on access, for the sharing of homeland security information, including biological laboratory vulnerability assessments, security
plans, best practices, and other laboratory biosecurity-related information, as the Secretary determines appropriate, with State, local, and tribal government authorities, including law enforcement authorities and emergency response providers.

“(b) Access to Information in Databases.—In carrying out this section, the Secretary shall have access to information from the national databases established under section 212(d)(2) of the Agricultural Bioterrorism Protection Act of 2002 (7 U.S.C. 8401(d)(2)) and subsection (d)(2) of section 351A of the Public Health Service Act (42 U.S.C. 262a).

“(c) Classified and Sensitive Information.—The Secretary shall ensure that any information disseminated under this section is handled consistent with—

“(1) the authority of the Director of National Intelligence to protect intelligence sources and methods under the National Security Act of 1947 (50 U.S.C. 401 et seq.) and related procedures or similar authorities of the Attorney General concerning sensitive law enforcement information;

“(2) section 552a of title 5, United States Code (commonly referred to as the Privacy Act of 1974); and

“(3) other relevant laws.
SEC. 2125. DOMESTIC IMPLEMENTATION OF THE GLOBAL NUCLEAR DETECTION ARCHITECTURE.

(a) Securing the Cities.—The Director of the Domestic Nuclear Detection Office shall establish and maintain a multilayered system of detection technologies, programs, and guidelines designed to enhance the Nation’s ability to detect and prevent a radiological or nuclear attack in high-risk United States cities, as determined by the Secretary.

(b) Surge Capabilities.—The Director shall develop a surge capability for radiological and nuclear detection systems that can be deployed within the United States rapidly in response to actionable intelligence or warnings, and includes procurement of appropriate technology, training, and exercises.

(c) Integration.—The programs under subsections (a) and (b) shall be integrated into the Global Nuclear Detection Architecture and shall inform architecture studies, technology gaps, and research activities of the Domestic Nuclear Detection Office.

Subtitle C—Response

SEC. 2131. FIRST RESPONDER GUIDANCE CONCERNING CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR ATTACKS.

(a) Establishment of Voluntary Guidance.—Not later than one year after the date of the enactment
of this section, the Secretary, in coordination with the Secretary of Health and Human Services, the Secretary of Agriculture, the Administrator of the Environmental Protection Agency, and the heads of other Federal departments and agencies, as appropriate, shall—

“(1) develop for police, fire, emergency medical services, emergency management, medical and public health personnel, voluntary guidance for responding to a release of chemical, biological, radiological, or nuclear material;

“(2) make such guidance available to State, local, and tribal authorities, including primary and secondary school administrators, nongovernmental organizations, the private sector, and the public; and

“(3) in developing the guidance under paragraph (1)—

“(A) review the experiences of other countries and the expertise of academic institutions and nongovernmental organizations; and

“(B) consider the unique needs of children and other vulnerable populations.

“(b) CONTENTS.—The guidance developed under subsection (a)(1) shall be voluntary, risk-based guidance that shall include—
“(1) protective action guidance for ensuring the
security, health, and safety of emergency response
providers and their families and household contacts;

“(2) specific information regarding the effects
of the chemical, biological, radiological, or nuclear
material on those exposed to the agent; and

“(3) best practices for emergency response pro-
viders to effectively diagnose, handle, and otherwise
manage individuals affected by an incident involving
chemical, biological, radiological, or nuclear material.

“(c) REVIEW AND REVISION OF GUIDANCE.—The
Secretary shall—

“(1) review the guidance developed under sub-
section (a)(1) at least once every 2 years;

“(2) make revisions to the guidance as appro-
priate; and

“(3) make any revised guidance available to
State, local, and tribal authorities, nongovernmental
organizations, the private sector, and the public.

“(d) PROCEDURES FOR DEVELOPING AND REVISI-
NG GUIDANCE.—In carrying out the requirements of this sec-
tion, the Secretary shall establish procedures to—

“(1) enable members of the first responder and
first provider community to submit recommendations
of areas in which guidance is needed and could be developed under subsection (a)(1);

“(2) determine which entities should be consulted in developing or revising the guidance;

“(3) prioritize, on a regular basis, guidance that should be developed or revised; and

“(4) develop and disseminate the guidance in accordance with the prioritization under paragraph (3).

“SEC. 2132. INTEGRATED PLUME MODELING FOR COLLECTIVE RESPONSE.

“(a) DEVELOPMENT.—

“(1) IN GENERAL.—The Secretary shall acquire, use, and disseminate the best available integrated plume models to enable rapid response activities following a chemical, biological, nuclear, or radiological attack or event.

“(2) SCOPE.—The Secretary shall—

“(A) identify Federal, State, and local needs regarding plume models and ensure the rapid development and distribution of integrated plume models that meet those needs to appropriate officials of the Federal Government and State, local, and tribal authorities to enable
immediate response to a chemical, biological, or radiological attack or event;

“(B) establish mechanisms for dissemination by appropriate emergency response officials of the integrated plume models described in paragraph (1) to nongovernmental organizations and the public to enable appropriate collective response activities;

“(C) ensure that guidance and training in how to appropriately use such models are provided; and

“(D) ensure that lessons learned from assessing the development and dissemination of integrated plume models during exercises administered by the Department are put into the lessons learned information sharing system maintained by the Department.

“(b) DEFINITIONS.—For purposes of this section:

“(1) The term ‘plume model’ means the assessment of the location and prediction of the spread of agents following a chemical, biological, radiological, or nuclear attack or event.

“(2) The term ‘integrated plume model’ means a plume model that integrates protective action guid-
ance and other information as the Secretary determines appropriate.

“SEC. 2133. ESTABLISHMENT OF THE SYSTEM ASSESSMENT AND VALIDATION FOR EMERGENCY RESPONDERS (SAVER) PROGRAM.

“The Secretary shall carry out a program for system assessment and validation of emergency response equipment at the Department, to be known as the ‘SAVER Program’. The Secretary shall ensure that such program—

“(1) conducts objective, impartial, practitioner-relevant, and operationally oriented assessments and validations of commercial emergency responder equipment and systems, including hand-held detectors for chemical, biological, radiological, and nuclear agents;

“(2) is supported by a network of scientists who, in coordination with subject matter experts, perform the assessment and validation activities using strict scientific and testing protocols;

“(3) provides results along with other relevant equipment information to the emergency response provider community in an operationally useful form;

“(4) provides information on equipment that falls within the categories listed in the Department’s authorized equipment list;
“(5) provides information that enables decision-makers and responders to better select, procure, use, and maintain emergency responder equipment; and

“(6) shares such information nationally with the emergency response provider community.

“SEC. 2134. PAYMENT FOR LABORATORY RESPONSE SERVICES.

“In carrying out their functions, responsibilities, authorities, and duties to counter biological terrorism, the Secretary, the Attorney General, and the heads of other participating Federal agencies are authorized, subject to the availability of appropriations, to enter into contracts with the State and local public health laboratories that compose the Laboratory Response Network for Bioterrorism, and any other qualified laboratories, for the provision of laboratory testing services on a fee-for-service basis or on a prepayment or other similar basis. Prior to entering into such a contract with any laboratory in such network, the Secretary, the Attorney General, or the head of any other participating Federal agency shall inform the Centers for Disease Control and Prevention.

“SEC. 2135. BIOFORENSICS CAPABILITIES.

“(a) NATIONAL BIOFORENSICS ANALYSIS CENTER.—There is established in the Department a National Bioforensics Analysis Center that shall serve as the lead
Federal facility in support of law enforcement investigations and actions to—

“(1) provide definitive forensic examination of biothreat agents and related evidence;

“(2) provide necessary biocontainment;

“(3) integrate bioforensics requirements for law enforcement, emergency response, national security, and homeland security;

“(4) provide bioforensics analysis in support of the executive agencies with primary responsibilities for preventing, deterring, responding to, attributing, and recovering from biological attacks;

“(5) adhere to appropriate bioforensics standards;

“(6) maintain the national bioforensics repository collection as a distributed reference collection of biological agents and toxins for bioforensics comparisons and identifications; and

“(7) other related bioforensic activities.

“(b) NATIONAL BIOFORENSICS REPOSITORY COLLEION.—

“(1) IN GENERAL.—The National Bioforensics Analysis Center shall maintain a distributed national bioforensics repository collection.
“(2) ACTIVITIES.—The national bioforensics repository collection shall—

“(A) receive, store, and distribute biological threat agents and toxins;

“(B) serve as a distributed reference collection for comparative bioforensics identifications and characterizations; and

“(C) support threat agent characterization studies and the development of bioforensics assays, genomic analyses, organic and inorganic chemical analyses, electron microscopy analyses, and other relevant assays, analyses, and tests.

“(3) PARTICIPATION.—

“(A) IN GENERAL.—The Secretary, the Attorney General, the Secretary of Agriculture, the Secretary of Defense, the Secretary of Energy, the Secretary of Health and Human Services, the Director of National Intelligence, and the head of any other appropriate executive agency with a biological agent or toxin collection that is useful for the bioforensics analysis of biological attacks, performance of biological threat agent identification and characterization studies, or evaluation and development of bioforensics assays and methods shall provide to
the distributed national bioforensics repository

collection authenticated replicate samples of, or
information on, all relevant biological strains
and toxins, as determined by the Secretary, in
consultation with the head of the executive
agency possessing the agent or toxin.

“(B) OTHER BIOLOGICAL AGENTS AND
TOXINS.—The Secretary shall require the con-
tribution to the national bioforensics repository
collection of authenticated replicate samples of,
or information on, all relevant biological strains
and toxins, as determined by the Secretary,
from public and private biological agent and
toxin collections that were collected or created
with support from a Federal grant or contract
and that support the functions described in
paragraph (2).

“(4) ACCESS.—The Secretary shall—

“(A) provide any Federal department or
agency that submits a biological agent or toxin,
or information on a biological agent or toxin, to
the national bioforensics repository collection
with access to the collection; and

“(B) establish a mechanism to provide
public and private entities with access to agents
or toxins in, or information regarding, the national bioforensics repository collection, as determined appropriate by the Secretary, with appropriate protection of classified or law enforcement sensitive information and intellectual property rights.

“(c) DETAILEE PROGRAM.—Subject to the availability of appropriations, the Secretary may implement a detailee program to detail from governmental entities national biosecurity and biodefense stakeholders with appropriate clearances, on a reimbursable basis, to the National Bioforensics Analysis Center for the purpose of—

“(1) providing training and other educational benefits for such stakeholders to help them to better understand the policies, procedures, and laws governing national bioforensics activities; and

“(2) bolstering the capabilities and information sharing activities of the National Bioforensics Analysis Center with national biosecurity and biodefense stakeholders.

“(d) DEFINITION OF BIOFORENSICS.—In this section, the term ‘bioforensics’ means the scientific discipline dedicated to analyzing evidence from an attack with a biological weapon of mass destruction, an act of bioterrorism, a biological agent- or toxin-based criminal act, the inad-
ventent release of a biological agent or toxin for attribution purposes, or pre-event investigative actions of such evidence.

“SEC. 2136. FEDERAL LAW ENFORCEMENT TRAINING TO INVESTIGATE BIOLOGICAL THREATS.

“The Secretary, in coordination with the Attorney General, the Secretary of Agriculture, the Secretary of Health and Human Services, and the heads of other appropriate Federal departments and agencies, shall make available to law enforcement, public health, emergency first responders, and security personnel at the Federal Law Enforcement Training Center training on recognizing and responding to situations involving potential biological threats, including performing joint criminal and epidemiological investigations, and shall—

“(1) ensure that tailored tactics, techniques, and procedures are made available, including access to the tools needed to respond to biological threats;

“(2) promote the use of simulation among Federal partners to exercise capabilities, refine operational concepts, and strengthen relationships across the Government; and

“(3) make training available that will ensure that law enforcement, public health, emergency first
responder, and agricultural investigations of biological threats are coordinated.

“SEC. 2137. METROPOLITAN MEDICAL RESPONSE SYSTEM PROGRAM.

“(a) IN GENERAL.—The Secretary shall conduct a Metropolitan Medical Response System Program, that shall assist State and local governments in preparing for and responding to public health and mass casualty incidents resulting from acts of terrorism, natural disasters, and other man-made disasters.

“(b) FINANCIAL ASSISTANCE.—

“(1) AUTHORIZATION OF GRANTS.—

“(A) IN GENERAL.—The Secretary, through the Administrator of the Federal Emergency Management Agency, may make grants under this section to State and local governments to assist in preparing for and responding to mass casualty incidents resulting from acts of terrorism, natural disasters, and other man-made disasters.

“(B) CONSULTATION.—In developing guidance for grants authorized under this section, the Administrator shall consult with the Chief Medical Officer.
“(2) USE OF FUNDS.—A grant made under this section may be used to support the integration of emergency management, health, and medical systems into a coordinated response to mass casualty incidents caused by any hazard, including—

“(A) to strengthen medical surge capacity;

“(B) to strengthen mass prophylaxis capabilities including development and maintenance of an initial pharmaceutical stockpile sufficient to protect first responders, their families, and immediate victims from a chemical or biological event;

“(C) to strengthen chemical, biological, radiological, nuclear, and explosive detection, response, and decontamination capabilities;

“(D) to develop and maintain mass triage and pre-hospital treatment plans and capabilities;

“(E) for planning;

“(F) to support efforts to strengthen information sharing and collaboration capabilities of regional, State, and urban areas in support of public health and medical preparedness;

“(G) for medical supplies management and distribution;
“(H) for training and exercises;

“(I) for integration and coordination of the activities and capabilities of public health personnel and medical care providers with those of other emergency response providers as well as other Federal agencies, the private sector, and nonprofit organizations, for the forward movement of patients; and

“(J) for such other activities as the Administrator provides.

“(3) ELIGIBILITY.—

“(A) IN GENERAL.—Except as provided in subparagraph (C), any jurisdiction that received funds through the Metropolitan Medical Response System Program in fiscal year 2009 shall be eligible to receive a grant under this section.

“(B) ADDITIONAL JURISDICTIONS.—

“(i) UNREPRESENTED STATES.—

“(I) IN GENERAL.—Except as provided in subparagraph (C), the Administrator may make grants under this section to the metropolitan statistical area with the largest population in any State in which no jurisdiction
received funds through the Metropolitan Medical Response Program in fiscal year 2009, or in which funding was received only through another State.

“(II) LIMITATION.—For each of fiscal years 2012 through 2014, no jurisdiction that would otherwise be eligible to receive grants under subclause (I) shall receive a grant under this section if it would result in any jurisdiction under subparagraph (A) receiving less funding than such jurisdiction received in fiscal year 2009.

“(ii) OTHER JURISDICTIONS.—

“(I) IN GENERAL.—Subject to subparagraph (C), the Administrator may determine that additional jurisdictions are eligible to receive grants under this section.

“(II) LIMITATION.—For each of fiscal years 2012 through 2014, the eligibility of any additional jurisdiction to receive grants under this section is subject to the availability of
appropriations beyond that necessary to—

“(aa) ensure that each jurisdiction eligible to receive a grant under subparagraph (A) does not receive less funding than such jurisdiction received in fiscal year 2009; and

“(bb) provide grants to jurisdictions eligible under clause (i).

“(C) PERFORMANCE REQUIREMENT AFTER FISCAL YEAR 2012.—A jurisdiction shall not be eligible for a grant under this subsection from funds available after fiscal year 2012 unless the Secretary determines that the jurisdiction maintains a sufficient measured degree of capability in accordance with the performance measures issued under subsection (c).

“(4) DISTRIBUTION OF FUNDS.—

“(A) IN GENERAL.—The Administrator shall distribute grant funds under this section to the State in which the jurisdiction receiving a grant under this section is located.
“(B) Pass Through.—Subject to subparagraph (C), not later than 45 days after the date on which a State receives grant funds under subparagraph (A), the State shall provide the jurisdiction receiving the grant 100 percent of the grant funds, and not later than 45 days after the State releases the funds, all fiscal agents shall make the grant funds available for expenditure.

“(C) Exception.—The Administrator may permit a State to provide to a jurisdiction receiving a grant under this section 97 percent of the grant funds awarded if doing so would not result in any jurisdiction eligible for a grant under paragraph (3)(A) receiving less funding than such jurisdiction received in fiscal year 2009.

“(5) Regional Coordination.—The Administrator shall ensure that each jurisdiction that receives a grant under this section, as a condition of receiving such grant, is actively coordinating its preparedness efforts with surrounding jurisdictions, with the official with primary responsibility for homeland security (other than the Governor) of the government of the State in which the jurisdiction is
located, and with emergency response providers from all relevant disciplines, as determined by the Administrator, to effectively enhance regional preparedness.

“(c) PERFORMANCE MEASURES.—The Administrator of the Federal Emergency Management Agency, in coordination with the Chief Medical Officer, and the National Metropolitan Medical Response System Working Group, shall issue performance measures within one year after the date of enactment of this section that enable objective evaluation of the performance and effective use of funds provided under this section in any jurisdiction.

“(d) METROPOLITAN MEDICAL RESPONSE SYSTEM WORKING GROUP DEFINED.—In this section, the term ‘National Metropolitan Medical Response System Working Group’ means—

“(1) 10 Metropolitan Medical Response System Program grant managers, who shall—

“(A) include one such grant manager from each region of the Agency;

“(B) comprise a population-based cross section of jurisdictions that are receiving grant funds under the Metropolitan Medical Response System Program; and

“(C) include—
“(i) 3 selected by the Administrator of the Federal Emergency Management Agency; and

“(ii) 3 selected by the Chief Medical Officer; and

“(2) 3 State officials who are responsible for administration of State programs that are carried out with grants under this section, who shall be selected by the Administrator.

“(e) Authorization of Appropriations.—There is authorized to be appropriated $42,000,000 to carry out the program for each of fiscal years 2012 through 2016.

“Subtitle D—Recovery

“Sec. 2141. Identifying and Addressing Gaps in Recovery Capabilities.

“(a) Risk Assessment.—

“(1) Tailored Risk Assessment.—The Secretary shall conduct risk assessments to inform prioritization of national recovery activities for chemical, biological, radiological, and nuclear incidents, to be updated as necessary.

“(2) Considerations.—In conducting the risk assessments under paragraph (1), the Secretary shall—
“(A) consult with the Administrator of the Environmental Protection Agency, the Secretary of Health and Human Services, the Chairman of the Nuclear Regulatory Commission, and the heads of other relevant Federal departments and agencies;

“(B) consider recovery of both indoor areas and outdoor environments; and

“(C) consider relevant studies previously prepared by other Federal agencies, or other appropriate stakeholders.

“(3) COLLABORATION.—Upon completion of the risk assessments required by this section, the Secretary shall provide the findings to the Administrator of the Environmental Protection Agency and heads of other relevant Federal agencies in order to inform ongoing and future work, including research and guidance development, undertaken by those agencies in recovery and remediation from chemical, biological, radiological, or nuclear incidents.

“(b) RESEARCH.—The results of the risk assessment under this section, shall inform appropriate Federal research to address the high-risk capability gaps uncovered by each assessment.
“(c) Submission to Congress.—The results of each risk assessment shall be submitted to the appropriate congressional committees within 30 days after completion of the assessment.

“SEC. 2142. RECOVERY FROM A CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR ATTACK OR INCIDENT.

“(a) Establishment of Guidance.—The Secretary shall develop and issue guidance for clean-up and restoration of indoor and outdoor areas, including subways and other mass transportation facilities, that have been exposed to chemical, biological, radiological, or nuclear materials. The Secretary shall develop and issue the guidance in consultation with—

“(1) the Secretary of Agriculture;
“(2) the Secretary of Commerce;
“(3) the Secretary of Education;
“(4) the Secretary of the Interior;
“(5) the Attorney General;
“(6) the Secretary of Labor;
“(7) the Secretary of Transportation;
“(8) the Secretary of Housing and Urban Development;
“(9) the Secretary of Health and Human Services;
“(10) the Secretary of Veterans Affairs;
“(11) the Secretary of the Treasury;
“(12) the Administrator of the Environmental Protection Agency; and
“(13) the Administrator of the Small Business Administration.

“(b) CONTENTS.—The guidance developed under subsection (a) shall clarify Federal roles and responsibilities for assisting State, local, and tribal authorities and include risk-based recommendations for—

“(1) standards for effective decontamination of affected sites;
“(2) standards for safe post-event occupancy of affected sites, including for vulnerable populations such as children and individuals with health concerns;
“(3) requirements to ensure that the decontamination procedures for responding organizations do not conflict;
“(4) requirements that each responding organization uses a uniform system for tracking costs and performance of clean-up contractors;
“(5) maintenance of negative air pressure in buildings;
“(6) standards for proper selection and use of personal protective equipment;

“(7) air sampling procedures;

“(8) development of occupational health and safety plans that are appropriate for the specific risk to responder health; and

“(9) waste disposal.

“(c) REVIEW AND REVISION OF GUIDANCE.—The Secretary shall—

“(1) not less frequently than once every 2 years, review the guidance developed under subsection (a);

“(2) make revisions to the guidance as appropriate; and

“(3) make the revised guidance available to the Federal Government, State, local, and tribal authorities, nongovernmental organizations, the private sector, and the public.

“(d) PROCEDURES FOR DEVELOPING AND REVISING GUIDANCE.—In carrying out the requirements of this section, the Secretary shall establish procedures to—

“(1) prioritize issuance of guidance based on the results of the risk assessment under section 2131;

“(2) inventory existing relevant guidance;
“(3) enable the public to submit recommendations of areas in which guidance is needed;

“(4) determine which entities should be consulted in developing or revising the guidance;

“(5) prioritize, on a regular basis, guidance that should be developed or revised; and

“(6) develop and disseminate the guidance in accordance with the prioritization under paragraph (5).

“(e) CONSULTATIONS.—The Secretary shall develop and revise the guidance developed under subsection (a), and the procedures required under subsection (d), in consultation with—

“(1) the heads of other Federal departments and agencies, as appropriate;

“(2) State, local, and tribal authorities; and

“(3) nongovernmental organizations and private industry.

“(f) REPORT.—Not later than one year after the date of the enactment of this section, and annually thereafter, the Secretary shall provide appropriate congressional committees with—

“(1) a description of the procedures established under subsection (d);
“(2) any guidance in effect on the date of the
report;
“(3) a list of entities to which the guidance de-
scribed in paragraph (2) were disseminated;
“(4) a plan for reviewing the guidance de-
scribed in paragraph (2), in accordance with sub-
section (e);
“(5) the prioritized list of the guidance required
under subsection (d)(4), and the methodology used
by the Secretary for such prioritization; and
“(6) a plan for developing, revising, and dis-
seminating the guidance.

“SEC. 2143. EXERCISES.

“To facilitate recovery from a chemical, biological, ra-
diological, or nuclear attack or other incident involving
chemical, biological, radiological, or nuclear materials and
to foster collective response to terrorism, the Secretary
shall develop exercises in consultation with State, local,
and tribal authorities and other appropriate Federal agen-
cies, and, as appropriate, in collaboration with national
level exercises, including exercises that address, to the best
knowledge available at the time, analysis, indoor environ-
mental cleanup methods, and decontamination stand-
ards.”."
(b) **CLERICAL AmENDMENTS.**—The table of contents in section 1(b) of such Act is amended by adding at the end the following new items:

"**TITLE XXI—WEAPONS OF MASS DESTRUCTION PREVENTION AND PREPAREDNESS**

"Subtitle A—Prevention

"Sec. 2101. Weapons of mass destruction intelligence and information sharing.
"Sec. 2102. Risk assessments.
"Sec. 2103. Periodic homeland security review of criminal statutes.
"Sec. 2104. Export enforcement for counterproliferation.
"Sec. 2105. Communication of threat information.
"Sec. 2106. Individual and community preparedness for chemical, biological, radiological, and nuclear attacks.

"Subtitle B—Protection

"Sec. 2121. Detection of biological attacks.
"Sec. 2122. Rapid biological threat detection and identification at ports of entry.
"Sec. 2123. Evaluating detection technology.
"Sec. 2124. Laboratory biosecurity information sharing.
"Sec. 2125. Domestic implementation of the Global Nuclear Detection Architecture.

"Subtitle C—Response

"Sec. 2131. First responder guidance concerning chemical, biological, radiological, and nuclear attacks.
"Sec. 2132. Integrated plume modeling for collective response.
"Sec. 2133. Establishment of the system assessment and validation for emergency responders (SAVER) program.
"Sec. 2134. Payment for laboratory response services.
"Sec. 2135. Bioforensics capabilities.
"Sec. 2136. Federal law enforcement training to investigate biological threats.
"Sec. 2137. Metropolitan Medical Response System Program.

"Subtitle D—Recovery

"Sec. 2141. Identifying and addressing gaps in recovery capabilities.
"Sec. 2142. Recovery from a chemical, biological, radiological, and nuclear attack or incident.
"Sec. 2143. Exercises.”.

(c) **CONFORMING AMENDMENT.**—Section 316 of the Homeland Security Act of 2002 (6 U.S.C. 195b), and the item relating to such section in section 1(b) of such Act, are repealed.
(d) Metropolitan Medical Response Program Review.—

(1) In General.—The Administrator of the Federal Emergency Management Agency, the Chief Medical Officer of the Department of Homeland Security, and the National Metropolitan Medical Response System Working Group shall conduct a review of the Metropolitan Medical Response System Program authorized under section 2138 of the Homeland Security Act of 2002, as added by this section, including an examination of—

(A) the extent to which the program goals and objectives are being met;

(B) the performance metrics that can best help assess whether the Metropolitan Medical Response System Program is succeeding;

(C) how the Metropolitan Medical Response System Program can be improved;

(D) how the Metropolitan Medical Response System Program complements and enhances other preparedness programs supported by the Department of Homeland Security and the Department of Health and Human Services;

(E) the degree to which the strategic goals, objectives, and capabilities of the Metropolitan
Medical Response System Program are incorporated in State and local homeland security plans;

(F) how eligibility for financial assistance, and the allocation of financial assistance, under the Metropolitan Medical Response System Program should be determined, including how allocation of assistance could be based on risk;

(G) implications for the Metropolitan Medical Response System Program if it were managed as a contractual agreement; and

(H) the resource requirements of the Metropolitan Medical Response System Program.

(2) REPORT.—Not later than 1 year after the date of enactment of this Act, the Administrator and the Chief Medical Officer shall submit to the Committee on Homeland Security of the House of Representatives and the Committee on Homeland Security and Governmental Affairs of the Senate a report on the results of the review under this section.

(3) CONSULTATION.—The Administrator of the Federal Emergency Management Agency shall consult with the Secretary of Health and Human Services in the implementation of paragraph (1)(E).
(4) DEFINITION.—In this subsection the term “National Metropolitan Medical Response System Working Group” has the meaning that term has in section 2138 of the Homeland Security Act of 2002, as added by this section.

SEC. 302. ENHANCING LABORATORY BIOSECURITY.

(a) Federal Experts Security Advisory Panel.—

(1) Panel.—

(A) Establishment.—The President shall establish a permanent advisory panel to be known as the Federal Experts Security Advisory Panel to make technical and substantive recommendations on biological agent and toxin security.

(B) Membership.—The members of the Panel—

(i) shall consist of the voting members appointed under subparagraph (D) and the nonvoting members appointed under subparagraph (E); and

(ii) shall each be an official or employee of the Federal Government.

(C) Co-Chairs.—The voting members of the Panel appointed under clauses (i), (v), and
(vi) of subparagraph (D) shall serve jointly as the Co-Chairs of the Panel.

(D) VOTING MEMBERS.—The voting members of the Panel shall consist of 1 voting representative of each of the following Government entities, appointed (except with respect to the National Security Council) by the head of the respective entity:

(i) The Department of Agriculture.

(ii) The Department of Commerce.

(iii) The Department of Defense.

(iv) The Department of Energy.

(v) The Department of Health and Human Services.


(vii) The Department of Justice.

(viii) The Department of Labor.

(ix) The Department of State.

(x) The Department of Transportation.

(xi) The Department of Veterans Affairs.

(xii) The Environmental Protection Agency.
(xiii) The National Security Council, which shall be represented by the Special Assistant to the President for Biodefense.

(xiv) The Office of the Director of National Intelligence.

(xv) Any other department or agency designated by the Co-Chairs.

(E) Nonvoting Members.—The nonvoting members of the Panel shall consist of such additional representatives of the Government entities listed in subparagraph (D) as may be appointed by the heads of the respective entities.

(F) Administrative Support.—The Secretary of Health and Human Services shall provide to the Panel such facilities, staff, and support services as may be necessary for the Panel to carry out its responsibilities under paragraph (2).

(2) Responsibilities.—Not later than 6 months after the date of the enactment of this section, the Panel shall, with respect to biological agent and toxin security, deliver to the Secretaries of Agriculture, Health and Human Services, and Homeland
Security plurality recommendations, including any statements of dissent, concerning—

(A) the designation as highest risk of that subset of biological agents and toxins listed pursuant to section 351A(a)(1) of the Public Health Service Act (42 U.S.C. 262a(a)(1)) that presents the greatest risk of deliberate misuse with significant potential for mass casualties or devastating effects to the economy, informed by—

(i) any biological or bioterrorism risk assessments conducted by the Department of Homeland Security and relevant assessments by other agencies; and

(ii) determinations made by the Secretary of Homeland Security pursuant to section 319F–2(c)(2)(A) of such Act (42 U.S.C. 247d–6b(e)(2)(A));

(B) the development of a set of minimum risk-based prescriptive laboratory security performance standards based on the risk at the lowest level, allowing for enhancements as risk increases;

(C) the establishment of appropriate standards and practices to improve vetting and moni-
toring of, and ensure reliability of, personnel with access to highest risk biological agents and toxins at facilities registered under section 351A(d) of the Public Health Service Act (42 U.S.C. 262a(d));

(D) the establishment of appropriate practices for physical security and cyber security for facilities that possess highest risk biological agents or toxins;

(E) standards for training of laboratory personnel in security measures;

(F) other emerging policy issues relevant to the security of biological agents and toxins;

(G) adequacy of information sharing protocols with biodefense and biosecurity stakeholders; and

(H) any other security standards determined necessary.

(b) REVISION OF RULES AND REGULATIONS.—

(1) PROPOSED RULES.—The Secretaries of Health and Human Services and Agriculture, in coordination with the Secretary of Homeland Security, no later than 12 months after the date of receipt of recommendations under subsection (a)(2), shall, as appropriate, propose rules under section 351A of the
Public Health Service Act (42 U.S.C. 262a) establishing security standards and procedures that are specific to highest risk biological agents and toxins.

(2) Final Rules.—The Secretaries of Health and Human Services and Agriculture, in coordination with the Secretary of Homeland Security, no later than 24 months after the date of the enactment of this section, shall promulgate final rules described in paragraph (1).

(c) Coordination of Federal Oversight.—To ensure that the Federal Government provides for comprehensive and effective oversight of biological agents and toxins security, the heads of the Government entities listed in subsection (a)(1)(D) shall, no later than 6 months after the submission of recommendations under subsection (a)(2), develop and implement a plan for the coordination of biological agents and toxins security oversight that—

(1) articulates a mechanism for coordinated inspections of and harmonized administrative practices for facilities registered under section 351A(d) of the Public Health Service Act (42 U.S.C. 262a(d)), pursuant to subsection (d) of this section; and

(2) ensures consistent and timely identification and resolution of biological agents and toxins security and compliance issues.
(d) COMMON INSPECTION PROCEDURES.—The heads of the entities listed in subsection (a)(1)(D) shall coordinate laboratory inspections and ensure that such inspections are conducted using a common set of inspection procedures across such entities in order to minimize the administrative burden on such laboratory.

(e) INSPECTION REPORTS.—Any inspection report resulting from an inspection described in paragraph (1) shall be available to—

(1) each Federal agency that supports biological agent or toxin laboratory activities at the laboratory that is the subject of the inspection report; and

(2) the laboratories that are the object of inspection.

(f) LABORATORY BIOSECURITY INFORMATION SHARING.—

(1) FEDERAL SHARING.—The Secretaries of Health and Human Services and Agriculture shall—

(A) share relevant information pertaining to biological agents and toxins, including identification of laboratories possessing highest risk biological agents and toxins, and compliance issues with the Secretary of Homeland Security; and
(B) share relevant information pertaining to biological agents and toxins, including identification of laboratories possessing highest risk biological agents and toxins, with appropriate State, local, and tribal government authorities, including law enforcement authorities and emergency response providers.

(2) CLASSIFIED AND SENSITIVE INFORMATION.—The Secretaries of Agriculture, Health and Human Services, and Homeland Security shall ensure that any information disseminated under this section is handled consistently with—

(A) the authority of the Director of National Intelligence to protect intelligence sources and methods under the National Security Act of 1947 (50 U.S.C. 401 et seq.) and related procedures or similar authorities of the Attorney General concerning sensitive law enforcement information;

(B) section 552a of title 5, United States Code (commonly referred to as the “Privacy Act of 1974”); and

(C) other relevant laws.

(g) DEFINITIONS.—In this section:
(1) The terms “biological agent” and “toxin” refer to a biological agent or toxin, respectively, listed pursuant to section 351A(a)(1) of the Public Health Service Act (42 U.S.C. 262(a)(1)).

(2) The term “highest risk” means, with respect to a biological agent or toxin, designated as highest risk as described in subsection (a)(2)(A).

(3) The term “Panel” means the Federal Experts Security Advisory Panel under subsection (a).

SEC. 303. DEFINITIONS.

Section 2 of the Homeland Security Act of 2002 (6 U.S.C. 101) is amended by adding at the end the following new paragraphs:

“(19) The term ‘Intelligence Community’ has the meaning given that term in section 3(4) of the National Security Act of 1947 (50 U.S.C. 401a(4)).

“(20) The term ‘national biosecurity and biodefense stakeholders’ means officials from the Federal, State, local, and tribal authorities and individuals from the private sector who are involved in efforts to prevent, protect against, respond to, and recover from a biological attack or other biological incidents that may have serious health or economic consequences for the United States, including wide-scale fatalities or infectious disease outbreaks.”.
SEC. 304. DUAL-USE TERRORIST RISKS FROM SYNTHETIC BIOLOGY.

(a) Sense of Congress.—It is the sense of Congress that the field of synthetic biology has the potential to facilitate enormous gains in fundamental discovery and biotechnological applications, but it also has inherent dual-use homeland security risks that must be managed.

(b) Requirement.—Not later than one year after the date of enactment of this Act, the Secretary of Homeland Security, acting through the Under Secretary of Homeland Security for Science and Technology, shall examine and report to the appropriate congressional committees on the homeland security implications of the dual-use nature of synthetic biology, and if the Under Secretary determines that such research is appropriate, may conduct research in that area, including—

(1) determining the current capability of synthetic nucleic acid providers to effectively differentiate a legitimate customer from a potential terrorist or other malicious actor;

(2) determining the current capability of synthetic nucleic acid providers to effectively screen orders for sequences of homeland security concern; and
(3) making recommendations regarding screening software, protocols, and other remaining capability gaps uncovered by the study.

SEC. 305. DISSEMINATION OF INFORMATION ANALYZED BY THE DEPARTMENT TO STATE, LOCAL, TRIBAL, AND PRIVATE ENTITIES WITH RESPONSIBILITIES RELATING TO HOMELAND SECURITY.

Section 201(d)(8) of the Homeland Security Act of 2002 (6 U.S.C. 121(d)(8)) is amended by striking “and to agencies of State” and all that follows and inserting “to State, local, tribal, and private entities with such responsibilities, and, as appropriate, to the public, in order to assist in preventing, deterring, or responding to acts of terrorism against the United States.”.

TITLE IV—PUBLIC HEALTH MATTERS

SEC. 401. SENSE OF CONGRESS REGARDING FEDERAL CO-ORDINATION ON MEDICAL COUNTER-MEASURES.

It is the sense of Congress that—

(1) Ten years after the terrorist attacks of September 11, 2001, and 7 years after enactment of the Project BioShield Act of 2004 (Public Law 108–276), coordination among Federal agencies involved
in activities relating to researching, developing, and acquiring medical countermeasures still needs improvement; and

(2) aggressive action should be taken by the Department of Health and Human Services (in particular, the heads of the National Institutes of Health, the Biomedical Advanced Research and Development Authority, the Centers for Disease Control and Prevention, and the Food and Drug Administration), the Department of Homeland Security, and the Department of Defense to foster greater coordination with respect to such activities, including adoption of an interagency agreement that sets forth the relative areas of responsibility with respect to establishing medical countermeasure requirements and researching, developing, and acquiring medical countermeasures to meet those requirements.

SEC. 402. NATIONAL MEDICAL COUNTERMEASURE DISPENSING STRATEGY.

Title III of the Public Health Service Act is amended by inserting after section 319F–4 (42 U.S.C. 247d–6e) the following:

“SEC. 319F–5. NATIONAL MEDICAL COUNTERMEASURE DISPENSING STRATEGY.

“(a) DEFINITIONS.—In this section—
“(1) the term ‘dispense’ means to provide medical countermeasures to an affected population in response to a threat or incident; and

“(2) the term ‘medical countermeasure’ means a qualified countermeasure (as defined in section 319F–1(a)(2)).

“(b) STRATEGY.—

“(1) IN GENERAL.—The Secretary, in coordination with the Secretary of Homeland Security, the Secretary of Agriculture, and other appropriate Federal agencies, shall develop, implement, and, as appropriate, periodically update a National Medical Countermeasure Dispensing Strategy to enhance preparedness and collective response to a terrorist attack on humans or animals with any chemical, biological, radiological, or nuclear material, that delineates Federal, State, and local responsibilities.

“(2) CONSIDERATIONS.—The strategy shall be sufficiently flexible to meet the unique needs of different communities, including first responders, and shall consider—

“(A) a variety of options for dispensing medical countermeasures;
“(B) post-incident requirements for emergency use authorizations before countermeasures can be distributed legally;

“(C) the inclusion of locally held caches of countermeasures in event-specific authorizations covering federally held countermeasures of the same type; and

“(D) distribution to the public of home medical kits for personal stockpiling purposes, within 30 days after a domestic or international bioterrorist attack resulting in human infection.

“(c) COORDINATION.—The Secretary shall coordinate with the Administrator of the Federal Emergency Management Agency, State, local, and tribal authorities, representatives from the private sector, and nongovernmental organizations on the National Medical Countermeasures Dispensing Strategy.

“(d) REPORT.—Not later than one year after the date of the enactment of this section, the Secretary shall submit the National Medical Countermeasures Dispensing Strategy to the appropriate congressional committees.”.

SEC. 403. NATIONAL PRE-EVENT VACCINATION AND ANTI-MICROBIAL DISPENSING POLICY REVIEW.

(a) REQUIREMENT.—The Secretary of Health and Human Services, in coordination with the Secretary of
Homeland Security and the Secretary of Agriculture, shall review the adequacy of domestic vaccination and antimicrobial dispensing policy, guidance, and information provided to the public in light of any known terrorist risk of a biological attack or other phenomena that may have serious health consequences for the United States, including wide-scale fatalities or infectious disease outbreaks. In carrying out the review under this section, the Secretary shall consider—

1. material threat assessments and determinations conducted by the Department of Homeland Security;
2. reports on global trends and intelligence produced by the Office of the Director of National Intelligence and the Intelligence Community regarding biological threats;
3. the availability of domestic vaccine and antimicrobials to dispense to first responders and the public, on a voluntary basis, in anticipation of a biological attack;
4. applicability of Federal shelf-life extension programs to locally held stockpiles of medical countermeasures;
5. making expiring products available to appropriate international organizations or foreign part-
ners once the requests of domestic stakeholders have
been fulfilled; and

(6) the implications of pre-event vaccination
and antimicrobial dispensing to livestock.

(b) REPORT.—Not later than one year after the date
of the enactment of this Act, the Secretary of Health and
Human Services shall report to the appropriate congres-
sional committees on the review required by subsection
(a), together with any recommendations relating to the
availability of domestic vaccine and antimicrobials for dis-
bursing to the public and voluntary immunization by first
responders.

SEC. 404. MANAGEMENT OF SHORT SHELF LIFE VACCINE
AND ANTIMICROBIAL STOCKPILES.

The Secretary of Health and Human Services shall
make available surplus vaccines and antimicrobials, and
vaccines and antimicrobials with short shelf lives, from the
strategic national stockpile under section 319F–2(a) of
the Public Health Service Act (42 U.S.C. 247d–6b(a)) to
State, local, and tribal first responders, including health
care responders, for administration to such responders
who voluntarily consent to such administration, and
shall—
(1) establish any necessary logistical and tracking systems to facilitate making such vaccines and antimicrobials so available; and

(2) distribute disclosures regarding associated risks to end users.

SEC. 405. MATERIAL THREAT DETERMINATIONS REVIEWS.

Section 319F–2(c)(2)(A) of the Public Health Service Act (42 U.S.C. Sec 247d-6b(c)(2)(A)) is amended—

(1) in clause (i), by striking “and” at the end;

(2) by redesignating clause (ii) as clause (iii);

(3) by inserting after clause (i) the following:

“(ii) establish criteria for the issuance of a material threat determination;”;

(4) in clause (iii), as so redesignated, by striking the period at the end and inserting “; and”; and

(5) by adding at the end the following:

“(iv) review and reassess determinations under clause (iii) to determine whether agents continue to present a material threat against the United States population sufficient to affect national security and homeland security.”.

SEC. 406. BACKGROUND CHECKS.

Section 351A(e)(3)(A) of the Public Health Service Act (42 U.S.C. 262a(e)(3)(A)) is amended by adding at
the end the following: “In identifying whether an individual is within a category specified in subparagraph (B)(ii)(II), the Attorney General shall coordinate with the Secretary of Homeland Security, the Secretary of Defense, and the Secretary of State to determine whether these officials possess any information relevant to the identification of such an individual by the Attorney General.”

**TITLE V—FOREIGN RELATIONS MATTERS**

**SEC. 501. INTERNATIONAL ENGAGEMENT TO ENHANCE BIO-DEFENSE AND LABORATORY BIOSECURITY.**

The Secretary of State, in consultation with the Secretary of Homeland Security, and the heads of other appropriate Federal agencies, shall, as appropriate—

(1) support efforts of other countries to establish and build capacity to effectively implement legislation criminalizing the development or use of biological weapons or acts of bioterrorism;

(2) engage other countries and international nongovernmental entities to develop and establish common standards, guidance, and best practices for actions relevant to preventing acts of bioterrorism and the illicit use of life sciences;

(3) support the efforts of other countries to enhance biosecurity and safety practices at laboratories
and other facilities with materials that could be used in biological weapons or in an act of bioterrorism;

(4) promote the development and adoption of international guidance for the safety and security of high-risk pathogens and toxins; and

(5) promote information sharing relating to threats and best practices between the intelligence community, Federal law enforcement, and international law enforcement and security officials.

**SEC. 502. INTERNATIONAL COLLABORATION AND INFORMATION SHARING RELATING TO BIOSECURITY.**

The Secretary of State, in consultation with the Secretary of Homeland Security, the Secretary of Agriculture, the Secretary of Health and Human Services, and the heads of other appropriate Federal agencies, shall, as appropriate—

(1) support efforts in other countries and regions to develop mechanisms and capabilities for reporting to United Nations organizations validated data on biological attacks or other phenomena that may have serious health consequences for the United States, including wide-scale fatalities or infectious disease outbreaks;

(2) engage other Federal and nongovernmental entities and other countries to advance awareness
and understanding of the risk posed by information derived from the life sciences that has the potential for misuse to cause harm, and advance recommendations on how best to address such risk;

(3) engage such entities and countries to promote greater awareness and understanding of the global availability of and access to life science technologies and materials; and

(4) promote the development and use of mechanisms for reporting, preserving, and sharing data on Federal programs and investments in international scientific, agricultural, medical, and public health collaborations in support of efforts to enhance global biosecurity.

SEC. 503. INTERAGENCY TASK FORCE ON BEST PRACTICES FOR GLOBAL BIOPREPAREDNESS.

(a) Sense of Congress.—It is the sense of Congress that preparedness for a chemical, biological, radiological, or nuclear incident must be undertaken not only domestically but also internationally. Specifically, there is a need for a global preparedness architecture for such an event. Congress supports efforts to provide an international forum for discussion of key health security policies with international dimensions, and the establishment of a formal United States interagency task force to de-
velop best practices and recommendations for implementation of a global preparedness architecture could enhance global preparedness.

(b) Establishment of Task Force.—The Secretary of State shall convene and lead an interagency task force to examine—

(1) the state of global biopreparedness for a major biological event;

(2) necessary components of a global biopreparedness architecture that would advance international health security, including considerations of—

(A) risk assessments;

(B) prevention;

(C) protection;

(D) regional stockpiling of medical countermeasures, including considerations of—

(i) security of the stockpile;

(ii) preservation of the stockpile through effective detection and diagnosis, shelf life extension programs, and other means;

(iii) delivery planning; and

(iv) legal considerations for implementing such an architecture;
response and attribution;

(F) other elements that should be a component of such an architecture; and

(G) obstacles to implementing such an architecture;

(3) best practices for preparedness based on lessons learned from domestic efforts to address the above issues, and that may be applicable internationally;

(4) activities undertaken through the National Strategy for Countering Biological Threats and the International Health Regulations 2005, as well as other activities deemed relevant by the task force; and

(5) the utility of working through existing international forums as a mechanism for distributing this information to the international community.

(e) Membership.—Members of the task force shall include representatives from—

(1) the Department of Homeland Security;

(2) the Department of Health and Human Services, including the Centers for Disease Control and Prevention;

(3) the Department of Agriculture;

(4) the Department of Defense;
(5) the Department of Justice;
(6) the Department of State;
(7) the Director of National Intelligence;
(8) other Federal departments and agencies, as determined appropriate by the Secretary; and
(9) national biosecurity and biodefense stakeholder community, including from the pharmaceutical and biotechnology industries, and the diagnostic laboratory community, as determined by the Secretary.

(d) REPORT.—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the appropriate congressional committees a report on the findings of the task force established under this section.

SEC. 504. BIOLOGICAL AND TOXIN WEAPONS CONVENTION.

The Secretary of State shall—

(1) promote confidence in effective implementation of and compliance with the Convention on the Prohibition of the Development, Production and Stockpiling of Bacteriological (Biological) and Toxin Weapons and on their Destruction (commonly referred to as the “Biological and Toxin Weapons Convention”) by the States party to the Convention by promoting transparency with respect to legitimate
activities and pursuing compliance diplomatically to address concerns;

(2) promote universal membership in the Convention;

(3) develop an action plan for increasing international adherence to the Convention; and

(4) ensure that United States participation in Convention meetings is broadly inclusive of representatives of relevant Federal departments and agencies.