S.L.C.

1st Session

BAG15121

To improve cybersecurity in the United States through enhanced sharing of information about cybersecurity threats, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Mr. Burr introduced the following bill; which was read twice and referred to the Committee on

A BILL

To improve cybersecurity in the United States through enhanced sharing of information about cybersecurity threats, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,
- 3 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.
- 4 (a) Short Title.—This Act may be cited as the
- 5 "Cybersecurity Information Sharing Act of 2015".
- 6 (b) Table of Contents.—The table of contents of
- 7 this Act is as follows:
 - Sec. 1. Short title; table of contents.
 - Sec. 2. Definitions.
 - Sec. 3. Sharing of information by the Federal Government.
 - Sec. 4. Authorizations for preventing, detecting, analyzing, and mitigating cybersecurity threats.

Sec. 5. Sharing of cyber threat indicators and countermeasures with the Fed-

	eral Government. Sec. 6. Protection from liability. Sec. 7. Oversight of Government activities. Sec. 8. Construction and preemption. Sec. 9. Report on cybersecurity threats. Sec. 10. Conforming amendments.
1	SEC. 2. DEFINITIONS.
2	In this Act:
3	(1) AGENCY.—The term "agency" has the
4	meaning given the term in section 3502 of title 44,
5	United States Code.
6	(2) Antitrust laws.—The term "antitrust
7	laws''—
8	(A) has the meaning given the term in sec-
9	tion 1 of the Clayton Act (15 U.S.C. 12);
10	(B) includes section 5 of the Federal
11	Trade Commission Act (15 U.S.C. 45) to the
12	extent that section 5 of that Act applies to un-
13	fair methods of competition; and
14	(C) includes any State law that has the
15	same intent and effect as the laws under sub-
16	paragraphs (A) and (B).
17	(3) Appropriate federal entities.—The
18	term "appropriate Federal entities" means the fol-
19	lowing:
20	(A) The Department of Commerce.
21	(B) The Department of Defense.
22	(C) The Department of Energy.

1	(D) The Department of Homeland Secu-
2	rity.
3	(E) The Department of Justice.
4	(F) The Department of the Treasury.
5	(G) The Office of the Director of National
6	Intelligence.
7	(4) Countermeasure.—The term "counter-
8	measure" means an action, device, procedure, tech-
9	nique, or other measure applied to an information
10	system or information that is stored on, processed
11	by, or transiting an information system that pre-
12	vents or mitigates a known or suspected cybersecu-
13	rity threat or security vulnerability.
14	(5) Cybersecurity purpose.—The term "cy-
15	bersecurity purpose" means the purpose of pro-
16	tecting an information system or information that is
17	stored on, processed by, or transiting an information
18	system from a cybersecurity threat or security vul-
19	nerability.
20	(6) Cybersecurity threat.—
21	(A) In general.—Except as provided in
22	subparagraph (B), the term "cybersecurity
23	threat" means an action, not protected by the
24	First Amendment to the Constitution of the
25	United States on or through an information

1	system that may result in an unauthorized ef-
2	fort to adversely impact the security, avail-
3	ability, confidentiality, or integrity of an infor-
4	mation system or information that is stored on,
5	processed by, or transiting an information sys-
6	tem.
7	(B) Exclusion.—The term "cybersecurity
8	threat" does not include any action that—
9	(i) solely involves a violation of a con-
10	sumer term of service or a consumer li-
11	censing agreement; and
12	(ii) does not otherwise constitute un-
13	authorized access.
14	(7) Cyber threat indicator.—The term
15	"cyber threat indicator" means information that is
16	necessary to describe or identify—
17	(A) malicious reconnaissance, including
18	anomalous patterns of communications that ap-
19	pear to be transmitted for the purpose of gath-
20	ering technical information related to a cyberse-
21	curity threat or security vulnerability;
22	(B) a method of defeating a security con-
23	trol or exploitation of a security vulnerability;

1	(C) a security vulnerability, including
2	anomalous activity that appears to indicate the
3	existence of a security vulnerability;
4	(D) a method of causing a user with legiti-
5	mate access to an information system or infor-
6	mation that is stored on, processed by, or
7	transiting an information system to unwittingly
8	enable the defeat of a security control or exploi-
9	tation of a security vulnerability;
10	(E) malicious cyber command and control;
11	(F) the actual or potential harm caused by
12	an incident, including information exfiltrated
13	when it is necessary in order to describe a cy-
14	bersecurity threat;
15	(G) any other attribute of a cybersecurity
16	threat, if disclosure of such attribute is not oth-
17	erwise prohibited by law; or
18	(H) any combination thereof.
19	(8) Entity.—
20	(A) In general.—Except as otherwise
21	provided in this paragraph, the term "entity"
22	means any private entity, non-Federal govern-
23	ment agency or department, or State, tribal, or
24	local government (including a political subdivi-
25	sion, department, or component thereof).

1	(B) Inclusions.—The term "entity" in-
2	cludes a government agency or department of
3	the District of Columbia, the Commonwealth of
4	Puerto Rico, the Virgin Islands, Guam, Amer-
5	ican Samoa, the Northern Mariana Islands, and
6	any other territory or possession of the United
7	States.
8	(C) Exclusion.—The term "entity" does
9	not include a foreign power as defined in sec-
10	tion 101 of the Foreign Intelligence Surveil-
11	lance Act of 1978 (50 U.S.C. 1801).
12	(9) FEDERAL ENTITY.—The term "Federal en-
13	tity" means a department or agency of the United
14	States or any component of such department or
15	agency.
16	(10) Information system.—The term "infor-
17	mation system"—
18	(A) has the meaning given the term in sec-
19	tion 3502 of title 44, United States Code; and
20	(B) includes industrial control systems,
21	such as supervisory control and data acquisition
22	systems, distributed control systems, and pro-
23	grammable logic controllers.
24	(11) Local government.—The term "local
25	government" means any borough, city, county, par-

1	ish, town, township, village, or other political sub-
2	division of a State.
3	(12) Malicious Cyber Command and Con-

- (12) MALICIOUS CYBER COMMAND AND CONTROL.—The term "malicious cyber command and control" means a method for unauthorized remote identification of, access to, or use of, an information system or information that is stored on, processed by, or transiting an information system.
- (13) Malicious reconnaissance" means a method for actively probing or passively monitoring an information system for the purpose of discerning security vulnerabilities of the information system, if such method is associated with a known or suspected cybersecurity threat.
- (14) MONITOR.—The term "monitor" means to obtain, identify, or otherwise possess information that is stored on, processed by, or transiting an information system.

(15) Private entity.—

(A) In General.—Except as otherwise provided in this paragraph, the term "private entity" means any person or private group, organization, proprietorship, partnership, trust, cooperative, corporation, or other commercial or

	O
1	nonprofit entity, including an officer, employee,
2	or agent thereof.
3	(B) Inclusion.—The term "private enti-
4	ty" includes a State, tribal, or local government
5	performing electric utility services.
6	(C) Exclusion.—The term "private enti-
7	ty" does not include a foreign power as defined
8	in section 101 of the Foreign Intelligence Sur-
9	veillance Act of 1978 (50 U.S.C. 1801).
10	(16) Security Control.—The term "security
11	control" means the management, operational, and
12	technical controls used to protect the confidentiality,
13	integrity, and availability of an information system
14	or its information.
15	(17) Security vulnerability.—The term
16	"security vulnerability" means any attribute of hard-
17	ware, software, process, or procedure that could en-
18	able or facilitate the defeat of a security control.
19	(18) Tribal.—The term "tribal" has the
20	meaning given the term "Indian tribe" in section 4
21	of the Indian Self-Determination and Education As-
22	sistance Act (25 U.S.C. 450b).

1	SEC. 3. SHARING OF INFORMATION BY THE FEDERAL GOV-
2	ERNMENT.
3	(a) In General.—Consistent with the protection of
4	intelligence sources and methods and the protection of pri-
5	vacy and civil liberties, the Director of National Intel-
6	ligence, the Secretary of Homeland Security, the Secretary
7	of Defense, and the Attorney General, in consultation with
8	the heads of the appropriate Federal entities, shall develop
9	and promulgate procedures to facilitate and promote—
10	(1) the timely sharing of classified cyber threat
11	indicators in the possession of the Federal Govern-
12	ment with cleared representatives of relevant enti-
13	ties;
14	(2) the timely sharing with relevant entities of
15	cyber threat indicators or information in the posses-
16	sion of the Federal Government that may be declas-
17	sified and shared at an unclassified level; and
18	(3) the sharing with relevant entities, or the
19	public if appropriate, of unclassified, including con-
20	trolled unclassified, cyber threat indicators in the
21	possession of the Federal Government.
22	(b) Development of Procedures.—
23	(1) In General.—The procedures developed
24	and promulgated under subsection (a) shall—
25	(A) ensure the Federal Government has
26	and maintains the capability to share cyber

23

24

1	threat indicators in real time consistent with
2	the protection of classified information;
3	(B) incorporate, to the greatest extent
4	practicable, existing processes and existing roles
5	and responsibilities of Federal and non-Federal
6	entities for information sharing by the Federal
7	Government, including sector specific informa-
8	tion sharing and analysis centers; and
9	(C) include procedures for notifying enti-
10	ties that have received a cyber threat indicator
11	from a Federal entity that is known or deter-
12	mined to be in error or in contravention of the
13	requirements of this Act or another provision of
14	Federal law or policy of such error or con-
15	travention.
16	(2) COORDINATION.—In developing the proce-
17	dures required under this section, the Director of
18	National Intelligence, the Secretary of Homeland Se-
19	curity, the Secretary of Defense, and the Attorney
20	General shall coordinate with appropriate Federal
21	entities, including the National Laboratories (as de-
22	fined in section 2 of the Energy Policy Act of 2005

(42 U.S.C. 15801)), to ensure that effective proto-

cols are implemented that will facilitate and promote

1	the sharing of cyber threat indicators by the Federal
2	Government in a timely manner.
3	(c) Submittal to Congress.—Not later than 60
4	days after the date of the enactment of this Act, the Direc-
5	tor of National Intelligence, in consultation with the heads
6	of the appropriate Federal entities, shall submit to Con-
7	gress the procedures required by subsection (a).
8	SEC. 4. AUTHORIZATIONS FOR PREVENTING, DETECTING,
9	ANALYZING, AND MITIGATING CYBERSECU-
10	RITY THREATS.
11	(a) Authorization for Monitoring.—
12	(1) IN GENERAL.—Notwithstanding any other
13	provision of law, a private entity may, for cybersecu-
14	rity purposes, monitor—
15	(A) an information system of such private
16	entity;
17	(B) an information system of another enti-
18	ty, upon written consent of such other entity;
19	(C) an information system of a Federal en-
20	tity, upon written consent of an authorized rep-
21	resentative of the Federal entity; and
22	(D) information that is stored on, proc-
23	essed by, or transiting an information system
24	monitored by the private entity under this para-
25	graph.

1	(2) Construction.—Nothing in this sub-
2	section shall be construed—
3	(A) to authorize the monitoring of an in-
4	formation system, or the use of any information
5	obtained through such monitoring, other than
6	as provided in this Act; or
7	(B) to limit otherwise lawful activity.
8	(b) Authorization for Operation of Counter-
9	MEASURES.—
10	(1) In general.—Except as provided in para-
11	graph (2) and notwithstanding any other provision
12	of law, a private entity may, for cybersecurity pur-
13	poses, operate a countermeasure that is applied to—
14	(A) an information system of such private
15	entity in order to protect the rights or property
16	of the private entity;
17	(B) an information system of another enti-
18	ty upon written consent of such entity for oper-
19	ation of such countermeasure to protect the
20	rights or property of such entity; and
21	(C) an information system of a Federal en-
22	tity upon written consent of an authorized rep-
23	resentative of such Federal entity for operation
24	of such countermeasure to protect the rights or
25	property of the Federal Government.

1	(2) Limitation.—The authority provided in
2	paragraph (1) does not include operation of any
3	countermeasure that is designed or deployed in a
4	manner that will intentionally destroy, disable, or
5	substantially harm an information system not be-
6	longing to—
7	(A) the private entity operating such coun-
8	termeasure; or
9	(B) another entity or Federal entity that
10	has provided consent to that private entity for
11	operation of such countermeasure in accordance
12	with this subsection.
13	(3) Construction.—Nothing in this sub-
14	section shall be construed—
15	(A) to authorize the use of a counter-
16	measure other than as provided in this sub-
17	section; or
18	(B) to limit otherwise lawful activity.
19	(c) Authorization for Sharing or Receiving
20	Cyber Threat Indicators or Countermeasures.—
21	(1) In general.—Except as provided in para-
22	graph (2) and notwithstanding any other provision
23	of law, an entity may, for the purposes permitted
24	under this Act and consistent with the protection of
25	classified information, share with, or receive from,

1	any other entity or the Federal Government a cyber
2	threat indicator or countermeasure.
3	(2) LAWFUL RESTRICTION.—An entity receiving
4	a cyber threat indicator or countermeasure from an-
5	other entity or Federal entity shall comply with oth-
6	erwise lawful restrictions placed on the sharing or
7	use of such cyber threat indicator or countermeasure
8	by the sharing entity or Federal entity.
9	(3) Construction.—Nothing in this sub-
10	section shall be construed—
11	(A) to authorize the sharing or receiving of
12	a cyber threat indicator or countermeasure
13	other than as provided in this subsection; or
14	(B) to limit otherwise lawful activity.
15	(d) Protection and Use of Information.—
16	(1) Security of Information.—An entity
17	monitoring an information system, operating a coun-
18	termeasure, or providing or receiving a cyber threat
19	indicator or countermeasure under this section shall
20	implement and utilize a security control to protect
21	against unauthorized access to or acquisition of such
22	cyber threat indicator or countermeasure.
23	(2) Removal of Certain Personal Informa-
24	TION.—An entity sharing a cyber threat indicator
25	pursuant to this Act shall, prior to such sharing-

1	(A) review such cyber threat indicator to
2	assess whether such cyber threat indicator con-
3	tains any information that the entity knows at
4	the time of sharing to be personal information
5	of or identifying a specific person not directly
6	related to a cybersecurity threat and remove
7	such information; or
8	(B) implement and utilize a technical capa-
9	bility to remove any information contained
10	within such indicator that the entity knows at
11	the time of sharing to be personal information
12	of or identifying a specific person not directly
13	related to a cybersecurity threat.
14	(3) Use of cyber threat indicators and
15	COUNTERMEASURES BY ENTITIES.—
16	(A) IN GENERAL.—Consistent with this
17	Act, a cyber threat indicator or countermeasure
18	shared or received under this section may, for
19	cybersecurity purposes—
20	(i) be used by an entity to monitor or
21	operate a countermeasure on—
22	(I) an information system of the
23	entity; or
24	(II) an information system of an-
25	other entity or a Federal entity upon

1	the written consent of that other enti-
2	ty or that Federal entity; and
3	(ii) be otherwise used, retained, and
4	further shared by an entity subject to—
5	(I) an otherwise lawful restriction
6	placed by the sharing entity or Fed-
7	eral entity on such cyber threat indi-
8	cator or countermeasure; or
9	(II) an otherwise applicable pro-
10	vision of law.
11	(B) Construction.—Nothing in this
12	paragraph shall be construed to authorize the
13	use of a cyber threat indicator or counter-
14	measure other than as provided in this section.
15	(4) Use of cyber threat indicators by
16	STATE, TRIBAL, OR LOCAL GOVERNMENT.—
17	(A) LAW ENFORCEMENT USE.—
18	(i) Prior written consent.—Ex-
19	cept as provided in clause (ii), a cyber
20	threat indicator shared with a State, tribal,
21	or local government under this section
22	may, with the prior written consent of the
23	entity sharing such indicator, be used by a
24	State, tribal, or local government for the
25	purpose of preventing, investigating, or

1	prosecuting any of the offenses described
2	in section $5(d)(5)(A)(vi)$.
3	(ii) Oral consent.—If exigent cir-
4	cumstances prevent obtaining written con-
5	sent under clause (i), such consent may be
6	provided orally with subsequent docu-
7	mentation of the consent.
8	(B) Exemption from disclosure.—A
9	cyber threat indicator shared with a State, trib-
10	al, or local government under this section shall
11	be—
12	(i) deemed voluntarily shared informa-
13	tion; and
14	(ii) exempt from disclosure under any
15	State, tribal, or local law requiring disclo-
16	sure of information or records.
17	(C) STATE, TRIBAL, AND LOCAL REGU-
18	LATORY AUTHORITY.—
19	(i) AUTHORIZATION.—A cyber threat
20	indicator shared with a State, tribal, or
21	local government under this section may,
22	consistent with State regulatory authority
23	specifically relating to the prevention or
24	mitigation of cybersecurity threats to infor-
25	mation systems, inform the development or

1	implementation of a regulation relating to
2	such information systems.
3	(ii) LIMITATION.—A cyber threat indi-
4	cator shared as described in clause (i) shall
5	not otherwise be directly used by any
6	State, tribal, or local government to regu-
7	late a lawful activity of an entity.
8	(e) Antitrust Exemption.—
9	(1) In general.—Except as provided in sec-
10	tion 8(e), it shall not be considered a violation of
11	any provision of antitrust laws for 2 or more private
12	entities to exchange or provide a cyber threat indi-
13	cator, or assistance relating to the prevention, inves-
14	tigation, or mitigation of a cybersecurity threat, for
15	cybersecurity purposes under this Act.
16	(2) Applicability.—Paragraph (1) shall apply
17	only to information that is exchanged or assistance
18	provided in order to assist with—
19	(A) facilitating the prevention, investiga-
20	tion, or mitigation of a cybersecurity threat to
21	an information system or information that is
22	stored on, processed by, or transiting an infor-
23	mation system; or
24	(B) communicating or disclosing a cyber
25	threat indicator to help prevent, investigate, or

1	mitigate the effect of a cybersecurity threat to
2	an information system or information that is
3	stored on, processed by, or transiting an infor-
4	mation system.
5	(f) No Right or Benefit.—The sharing of a cyber
6	threat indicator with an entity under this Act shall not
7	create a right or benefit to similar information by such
8	entity or any other entity.
9	SEC. 5. SHARING OF CYBER THREAT INDICATORS AND
10	COUNTERMEASURES WITH THE FEDERAL
11	GOVERNMENT.
12	(a) Requirement for Policies and Proce-
13	DURES.—
14	(1) Interim policies and procedures.—Not
15	later than 60 days after the date of the enactment
16	of this Act, the Attorney General, in coordination
17	with the heads of the appropriate Federal entities,
18	shall develop, and submit to Congress, interim poli-
19	cies and procedures relating to the receipt of cyber
20	threat indicators and countermeasures by the Fed-
21	eral Government.
22	(2) Final policies and procedures.—Not
23	later than 180 days after the date of the enactment
24	of this Act, the Attorney General shall, in coordina-
25	tion with the heads of the appropriate Federal enti-

1	ties, promulgate final policies and procedures relat-
2	ing to the receipt of cyber threat indicators and
3	countermeasures by the Federal Government.
4	(3) Requirements concerning policies and
5	PROCEDURES.—Consistent with the guidelines devel-
6	oped under subsection (b), the policies and proce-
7	dures developed and promulgated under this sub-
8	section shall—
9	(A) ensure that cyber threat indicators
10	shared with the Federal Government by any en-
11	tity pursuant to section 4 that are received
12	through the process described in subsection
13	(e)—
14	(i) are shared in real time with such
15	receipt with all of the appropriate Federal
16	entities;
17	(ii) are not subject to any delay, inter-
18	ference, or any other action that could im-
19	pede real-time receipt by all of the appro-
20	priate Federal entities; and
21	(iii) may be provided to other Federal
22	entities;
23	(B) ensure that cyber threat indicators
	•

1	tity pursuant to section 4 in a manner other
2	than the process described in subsection (c)—
3	(i) are shared immediately with all of
4	the appropriate Federal entities;
5	(ii) are not subject to any unnecessary
6	delay, interference, or any other action
7	that could impede receipt by all of the ap-
8	propriate Federal entities; and
9	(iii) may be provided to other Federal
10	entities;
11	(C) consistent with this Act, any other ap-
12	plicable provisions of law, and the fair informa-
13	tion practice principles set forth in appendix A
14	of the document entitled "National Strategy for
15	Trusted Identities in Cyberspace" and pub-
16	lished by the President in April, 2011, govern
17	the retention, use, and dissemination by the
18	Federal Government of cyber threat indicators
19	shared with the Federal Government under this
20	Act, including the extent, if any, to which such
21	cyber threat indicators may be used by the Fed-
22	eral Government; and
23	(D) ensure there is—
24	(i) an audit capability; and

1	(ii) appropriate sanctions in place for
2	officers, employees, or agents of a Federa
3	entity who knowingly and willfully conduc
4	activities under this Act in an unauthor
5	ized manner.
6	(b) PRIVACY AND CIVIL LIBERTIES.—
7	(1) Guidelines of attorney general.—The
8	Attorney General shall, in coordination with the
9	heads of the appropriate Federal agencies and in
10	consultation with officers designated under section
11	1062 of the National Security Intelligence Reform
12	Act of 2004 (42 U.S.C. 2000ee-1), develop and peri
13	odically review guidelines relating to privacy and
14	civil liberties which shall govern the receipt, reten
15	tion, use, and dissemination of cyber threat indica
16	tors by a Federal entity obtained in connection with
17	activities authorized in this Act.
18	(2) Content.—The guidelines developed and
19	reviewed under paragraph (1) shall, consistent with
20	the need to protect information systems from cyber
21	security threats and mitigate cybersecurity threats—
22	(A) limit the impact on privacy and civi
23	liberties of activities by the Federal Government
24	under this Act:

1	(B) limit the receipt, retention, use, and
2	dissemination of cyber threat indicators con-
3	taining personal information of or identifying
4	specific persons, including by establishing—
5	(i) a process for the timely destruction
6	of information that is known not to be di-
7	rectly related to uses authorized under this
8	Act; and
9	(ii) specific limitations on the length
10	of any period in which a cyber threat indi-
11	cator may be retained;
12	(C) include requirements to safeguard
13	cyber threat indicators containing personal in-
14	formation of or identifying specific persons
15	from unauthorized access or acquisition, includ-
16	ing appropriate sanctions for activities by offi-
17	cers, employees, or agents of the Federal Gov-
18	ernment in contravention of such guidelines;
19	(D) include procedures for notifying enti-
20	ties and Federal entities if information received
21	pursuant to this section that is known or deter-
22	mined by a Federal entity receiving such infor-
23	mation not to constitute a cyber threat indi-
24	cator; and

1	(E) protect the confidentiality of cyber
2	threat indicators containing personal informa-
3	tion of or identifying specific persons to the
4	greatest extent practicable and require recipi-
5	ents to be informed that such indicators may
6	only be used for purposes authorized under this
7	Act.
8	(c) Capability and Process Within the Depart-
9	MENT OF HOMELAND SECURITY.—
10	(1) In general.—Not later than 90 days after
11	the date of the enactment of this Act, the Secretary
12	of Homeland Security, in coordination with the
13	heads of the appropriate Federal entities, shall de-
14	velop and implement a capability and process within
15	the Department of Homeland Security that—
16	(A) shall accept from any entity in real
17	time cyber threat indicators and counter-
18	measures, pursuant to this section;
19	(B) shall, upon submittal of the certifi-
20	cation under paragraph (2) that such capability
21	and process fully and effectively operates as de-
22	scribed in such paragraph, be the process by
23	which the Federal Government receives cyber
24	threat indicators and countermeasures under
25	this Act that are shared by a private entity with

1	the Federal Government through electronic mai
2	or media, an interactive form on an Internet
3	website, or a real time, automated process be-
4	tween information systems except—
5	(i) communications between a Federa
6	entity and a private entity regarding a pre-
7	viously shared cyber threat indicator;
8	(ii) voluntary or legally compelled par-
9	ticipation in an open Federal investigation
10	(iii) communications by a regulated
11	entity with such entity's Federal regulatory
12	authority regarding a cybersecurity threat
13	and
14	(iv) cyber threat indicators or counter-
15	measures shared with a Federal entity as
16	part of a contractual or statutory require-
17	ment;
18	(C) ensures that all of the appropriate
19	Federal entities receive such cyber threat indi-
20	cators in real time with receipt through the
21	process within the Department of Homeland
22	Security;
23	(D) is in compliance with the policies, pro-
24	cedures, and guidelines required by this section
25	and

1	(E) does not limit or prohibit otherwise
2	lawful disclosures of communications, records,
3	or other information, including reporting of
4	known or suspect criminal activity, by an entity
5	to any other entity or a Federal entity.
6	(2) CERTIFICATION.—Not later than 10 days
7	prior to the implementation of the capability and
8	process required by paragraph (1), the Secretary of
9	Homeland Security shall, in consultation with the
10	heads of the appropriate Federal entities, certify to
11	Congress whether such capability and process fully
12	and effectively operates—
13	(A) as the process by which the Federal
14	Government receives from any entity a cyber
15	threat indicator or countermeasure under this
16	Act; and
17	(B) in accordance with the policies, proce-
18	dures, and guidelines developed under this sec-
19	tion.
20	(3) Public Notice and Access.—The Sec-
21	retary of Homeland Security shall ensure there is
22	public notice of, and access to, the capability and
23	process developed and implemented under paragraph
24	(1) so that—

1	(A) any entity may share cyber threat indi-
2	cators and countermeasures through such proc-
3	ess with the Federal Government; and
4	(B) all of the appropriate Federal entities
5	receive such cyber threat indicators and coun-
6	termeasures in real time with receipt through
7	the process within the Department of Home-
8	land Security.
9	(4) Other federal entities.—The process
10	developed and implemented under paragraph (1)
11	shall ensure that other Federal entities receive in a
12	timely manner any cyber threat indicators and coun-
13	termeasures shared with the Federal Government
14	through such process.
15	(5) Report on Development and Imple-
16	MENTATION.—
17	(A) In general.—Not later than 60 days
18	after the date of the enactment of this Act, the
19	Secretary of Homeland Security shall submit to
20	Congress a report on the development and im-
21	plementation of the capability and process re-
22	quired by paragraph (1), including a description
23	of such capability and process and the public
24	notice of, and access to, such process.

1	(B) Classified annex.—The report re
2	quired by subparagraph (A) shall be submitted
3	in unclassified form, but may include a classi
4	fied annex.
5	(d) Information Shared With or Provided to
6	THE FEDERAL GOVERNMENT.—
7	(1) No waiver of privilege or protec
8	TION.—The provision of cyber threat indicators and
9	countermeasures to the Federal Government under
10	this Act shall not constitute a waiver of any applica
11	ble privilege or protection provided by law, including
12	trade secret protection.
13	(2) Proprietary information.—A cyber
14	threat indicator or countermeasure provided by an
15	entity to the Federal Government under this Ac
16	shall be considered the commercial, financial, and
17	proprietary information of such entity when so des
18	ignated by such entity.
19	(3) Exemption from disclosure.—Cyber
20	threat indicators and countermeasures provided to
21	the Federal Government under this Act shall be—
22	(A) deemed voluntarily shared information
23	and exempt from disclosure under section 552
24	of title 5, United States Code, and any State

1	tribal, or local law requiring disclosure of infor-
2	mation or records; and
3	(B) withheld, without discretion, from the
4	public under section 552(b)(3)(B) of title 5,
5	United States Code, and any State, tribal, or
6	local provision of law requiring disclosure of in-
7	formation or records.
8	(4) Ex parte communications.—The provi-
9	sion of a cyber threat indicator or countermeasure to
10	the Federal Government under this Act shall not be
11	subject to a rule of any Federal agency or depart-
12	ment or any judicial doctrine regarding ex parte
13	communications with a decisionmaking official.
14	(5) Disclosure, retention, and use.—
15	(A) AUTHORIZED ACTIVITIES.—Cyber
16	threat indicators and countermeasures provided
17	to the Federal Government under this Act may
18	be disclosed to, retained by, and used by, con-
19	sistent with otherwise applicable provisions of
20	Federal law, any Federal agency or department,
21	component, officer, employee, or agent of the
22	Federal Government solely for—
23	(i) a cybersecurity purpose;
24	(ii) the purpose of identifying a cyber-
25	security threat, including the source of

1	such cybersecurity threat, or a security
2	vulnerability;
3	(iii) the purpose of responding to, or
4	otherwise preventing or mitigating, an im-
5	minent threat of death or serious bodily
6	harm;
7	(iv) the purpose of responding to, or
8	otherwise preventing or mitigating, a ter-
9	rorist act or the development or use of
10	weapons of mass destruction;
11	(v) the purpose of responding to, or
12	otherwise preventing or mitigating, a seri-
13	ous threat to a minor, including sexual ex-
14	ploitation and threats to physical safety; or
15	(vi) the purpose of preventing, inves-
16	tigating, or prosecuting an offense arising
17	out of a threat described in clause (iii), an
18	offense arising out of an act, development,
19	or use described in clause (iv), or any of
20	the offenses listed in—
21	(I) section $3559(c)(2)(F)$ of title
22	18, United States Code (relating to
23	serious violent felonies);

BAG15121

1	information of or identifying specific per-
2	sons; and
3	(iii) in a manner that protects the
4	confidentiality of cyber threat indicators
5	containing information of, or that identi-
6	fies, a specific person.
7	(D) Federal regulatory authority.—
8	(i) In general.—Except as provided
9	in clause (ii), cyber threat indicators and
10	countermeasures provided to the Federal
11	Government under this Act shall not be di-
12	rectly used by any Federal, State, tribal,
13	or local government department or agency
14	to regulate the lawful activities of any enti-
15	ty, including activities relating to moni-
16	toring, operation of countermeasures, or
17	sharing of cyber threat indicators.
18	(ii) Exceptions.—
19	(I) REGULATORY AUTHORITY
20	SPECIFICALLY RELATING TO PREVEN-
21	TION OR MITIGATION OF CYBERSECU-
22	RITY THREATS.—Cyber threat indica-
23	tors and countermeasures provided to
24	the Federal Government under this
25	Act may, consistent with Federal or

1	State regulatory authority specifically
2	relating to the prevention or mitiga-
3	tion of cybersecurity threats to infor-
4	mation systems, inform the develop-
5	ment or implementation of regulations
6	relating to such information systems.
7	(II) Procedures developed
8	AND IMPLEMENTED UNDER THIS
9	ACT.—Clause (i) shall not apply to
10	procedures developed and imple-
11	mented under this Act.

12 SEC. 6. PROTECTION FROM LIABILITY.

13 (a) Monitoring of Information Systems.—No 14 cause of action shall lie or be maintained in any court

15 against any private entity, and such action shall be

16 promptly dismissed, for the monitoring of information sys-

17 tems and information under subsection (a) of section 4

18 that is conducted in accordance with this Act.

19 (b) Sharing or Receipt of Cyber Threat Indi-

20 cators.—No cause of action shall lie or be maintained

21 in any court against any entity, and such action shall be

22 promptly dismissed, for the sharing or receipt of cyber

23 threat indicators or countermeasures under section 4(c)

24 if—

1	(1) such sharing or receipt is conducted in ac-
2	cordance with this Act; and
3	(2) in a case in which a cyber threat indicator
4	or countermeasure is shared with the Federal Gov-
5	ernment, the cyber threat indicator or counter-
6	measure is shared in a manner that is consistent
7	with section 5(c) and the sharing or receipt, as the
8	case may be, occurs after the earlier of—
9	(A) the date on which the interim policies
10	and procedures are submitted to Congress
11	under section $5(a)(1)$; or
12	(B) the date that is 60 days after the date
13	of the enactment of this Act.
14	(c) Construction.—Nothing in this section shall be
15	construed—
16	(1) to require dismissal of a cause of action
17	against an entity that has engaged in gross neg-
18	ligence or willful misconduct in the course of con-
19	ducting activities authorized by this Act; or
20	(2) to undermine or limit the availability of oth-
21	erwise applicable common law or statutory defenses.
22	SEC. 7. OVERSIGHT OF GOVERNMENT ACTIVITIES.
23	(a) Biennial Report on Implementation.—
24	(1) In general.—Not later than 1 year after
25	the date of the enactment of this Act, and not less

1	frequently than once every 2 years thereafter, the
2	heads of the appropriate Federal entities shall joint-
3	ly submit to Congress a detailed report concerning
4	the implementation of this Act.
5	(2) Contents.—Each report submitted under
6	paragraph (1) shall include the following:
7	(A) An assessment of the sufficiency of the
8	policies, procedures, and guidelines required by
9	section 5 in ensuring that cyber threat indica-
10	tors are shared effectively and responsibly with-
11	in the Federal Government.
12	(B) An evaluation of the effectiveness of
13	real-time information sharing through the capa-
14	bility and process developed under section 5(e),
15	including any impediments to such real-time
16	sharing.
17	(C) An assessment of the sufficiency of the
18	procedures developed under section 3 in ensur-
19	ing that cyber threat indicators in the posses-
20	sion of the Federal Government are shared in
21	a timely and adequate manner with appropriate
22	entities, or, if appropriate, are made publicly
23	available.
24	(D) An assessment of whether cyber threat
25	indicators have been properly classified and an

	90
1	accounting of the number of security clearances
2	authorized by the Federal Government for the
3	purposes of this Act.
4	(E) A review of the type of cyber threat in-
5	dicators shared with the Federal Government
6	under this Act, including the following:
7	(i) The degree to which such informa-
8	tion may impact the privacy and civil lib-
9	erties of specific persons.
10	(ii) A quantitative and qualitative as-
11	sessment of the impact of the sharing of
12	such cyber threat indicators with the Fed-
13	eral Government on privacy and civil lib-
14	erties of specific persons.
15	(iii) The adequacy of any steps taken
16	by the Federal Government to reduce such
17	impact.
18	(F) A review of actions taken by the Fed-
19	eral Government based on cyber threat indica-
20	tors shared with the Federal Government under
21	this Act, including the appropriateness of any
22	subsequent use or dissemination of such cyber
23	threat indicators by a Federal entity under sec-
24	tion 5.

1	(G) A description of any significant viola-
2	tions of the requirements of this Act by the
3	Federal Government.
4	(H) A classified summary of the number
5	and type of entities that received classified
6	cyber threat indicators from the Federal Gov-
7	ernment under this Act and an evaluation of
8	the risks and benefits of sharing such cyber
9	threat indicators.
10	(3) RECOMMENDATIONS.—Each report sub-
11	mitted under paragraph (1) may include such rec-
12	ommendations as the heads of the appropriate Fed-
13	eral entities may have for improvements or modifica-
14	tions to the authorities and processes under this Act.
15	(4) Form of Report.—Each report required
16	by paragraph (1) shall be submitted in unclassified
17	form, but shall include a classified annex.
18	(b) Reports on Privacy and Civil Liberties.—
19	(1) BIENNIAL REPORT FROM PRIVACY AND
20	CIVIL LIBERTIES OVERSIGHT BOARD.—Not later
21	than 2 years after the date of the enactment of this
22	Act and not less frequently than once every 2 years
23	thereafter, the Privacy and Civil Liberties Oversight
24	Board shall submit to Congress and the President a
25	report providing—

1	(A) an assessment of the privacy and civil
2	liberties impact of the type of activities carried
3	out under this Act; and
4	(B) an assessment of the sufficiency of the
5	policies, procedures, and guidelines established
6	pursuant to section 5 in addressing privacy and
7	civil liberties concerns.
8	(2) Biennial report of inspectors gen-
9	ERAL.—
10	(A) In general.—Not later than 2 years
11	after the date of the enactment of this Act and
12	not less frequently than once every 2 years
13	thereafter, the Inspector General of the Depart-
14	ment of Homeland Security, the Inspector Gen-
15	eral of the Intelligence Community, the Inspec-
16	tor General of the Department of Justice, the
17	Inspector General of the Department of De-
18	fense shall, in consultation with the Council of
19	Inspectors General on Financial Oversight
20	jointly submit to Congress a report on the re-
21	ceipt, use, and dissemination of cyber threat in-
22	dicators and countermeasures that have been
23	shared with Federal entities under this Act.

1	(B) Contents.—Each report submitted
2	under subparagraph (A) shall include the fol-
3	lowing:
4	(i) A review of the types of cyber
5	threat indicators shared with Federal enti-
6	ties.
7	(ii) A review of the actions taken by
8	Federal entities as a result of the receipt
9	of such cyber threat indicators.
10	(iii) A list of Federal entities receiving
11	such cyber threat indicators.
12	(iv) A review of the sharing of such
13	cyber threat indicators among Federal en-
14	tities to identify inappropriate barriers to
15	sharing information.
16	(3) Recommendations.—Each report sub-
17	mitted under this subsection may include such rec-
18	ommendations as the Privacy and Civil Liberties
19	Oversight Board, with respect to a report submitted
20	under paragraph (1), or the Inspectors General re-
21	ferred to in paragraph (2)(A), with respect to a re-
22	port submitted under paragraph (2), may have for
23	improvements or modifications to the authorities
24	under this Act.

1	(4) FORM.—Each report required under this
2	subsection shall be submitted in unclassified form
3	but may include a classified annex.
4	SEC. 8. CONSTRUCTION AND PREEMPTION.
5	(a) Otherwise Lawful Disclosures.—Nothing in
6	this Act shall be construed to limit or prohibit otherwise
7	lawful disclosures of communications, records, or other in-
8	formation, including reporting of known or suspected
9	criminal activity, by an entity to any other entity or the
10	Federal Government under this Act.
11	(b) Whistle Blower Protections.—Nothing in
12	this Act shall be construed to prohibit or limit the disclo-
13	sure of information protected under section 2302(b)(8) of
14	title 5, United States Code (governing disclosures of ille-
15	gality, waste, fraud, abuse, or public health or safety
16	threats), section 7211 of title 5, United States Code (gov-
17	erning disclosures to Congress), section 1034 of title 10
18	United States Code (governing disclosure to Congress by
19	members of the military), section 1104 of the National
20	Security Act of 1947 (50 U.S.C. 3234) (governing disclo-
21	sure by employees of elements of the intelligence commu-
22	nity), or any similar provision of Federal or State law
23	(c) Protection of Sources and Methods.—
24	Nothing in this Act shall be construed—

1	(1) as creating any immunity against, or other-
2	wise affecting, any action brought by the Federal
3	Government, or any agency or department thereof,
4	to enforce any law, executive order, or procedure
5	governing the appropriate handling, disclosure, or
6	use of classified information;
7	(2) to affect the conduct of authorized law en-
8	forcement or intelligence activities; or
9	(3) to modify the authority of a department or
10	agency of the Federal Government to protect sources
11	and methods and the national security of the United
12	States.
13	(d) Relationship to Other Laws.—Nothing in
14	this Act shall be construed to affect any requirement
15	under any other provision of law for an entity to provide
16	information to the Federal Government.
17	(e) Prohibited Conduct.—Nothing in this Act
18	shall be construed to permit price-fixing, allocating a mar-
19	ket between competitors, monopolizing or attempting to
20	monopolize a market, boycotting, or exchanges of price or
21	cost information, customer lists, or information regarding
22	future competitive planning.
23	(f) Information Sharing Relationships.—Noth-
24	ing in this Act shall be construed—

1	(1) to limit or modify an existing information
2	sharing relationship;
3	(2) to prohibit a new information sharing rela-
4	tionship;
5	(3) to require a new information sharing rela-
6	tionship between any entity and the Federal Govern-
7	ment; or
8	(4) to require the use of the capability and
9	process within the Department of Homeland Secu-
10	rity developed under section 5(c).
11	(g) Preservation of Contractual Obligations
12	AND RIGHTS.—Nothing in this Act shall be construed—
13	(1) to amend, repeal, or supersede any current
14	or future contractual agreement, terms of service
15	agreement, or other contractual relationship between
16	any entities, or between any entity and a Federal en-
17	tity; or
18	(2) to abrogate trade secret or intellectual prop-
19	erty rights of any entity or Federal entity.
20	(h) Anti-Tasking Restriction.—Nothing in this
21	Act shall be construed to permit the Federal Govern-
22	ment—
23	(1) to require an entity to provide information
24	to the Federal Government;

1	(2) to condition the sharing of cyber threat in-
2	dicators with an entity on such entity's provision of
3	cyber threat indicators to the Federal Government;
4	or
5	(3) to condition the award of any Federal
6	grant, contract, or purchase on the provision of a
7	cyber threat indicator to a Federal entity.
8	(i) No Liability for Non-participation.—Noth-
9	ing in this Act shall be construed to subject any entity
10	to liability for choosing not to engage in the voluntary ac-
11	tivities authorized in this Act.
12	(j) Use and Retention of Information.—Noth-
13	ing in this Act shall be construed to authorize, or to mod-
14	ify any existing authority of, a department or agency of
15	the Federal Government to retain or use any information
16	shared under this Act for any use other than permitted
17	in this Act.
18	(k) Federal Preemption.—
19	(1) In general.—This Act supersedes any
20	statute or other provision of law of a State or polit-
21	ical subdivision of a State that restricts or otherwise
22	expressly regulates an activity authorized under this
23	Act.
24	(2) State Law enforcement.—Nothing in
25	this Act shall be construed to supersede any statute

1	or other provision of law of a State or political sub-
2	division of a State concerning the use of authorized
3	law enforcement practices and procedures.
4	(l) REGULATORY AUTHORITY.—Nothing in this Act
5	shall be construed—
6	(1) to authorize the promulgation of any regu-
7	lations not specifically authorized by this Act;
8	(2) to establish or limit any regulatory author-
9	ity not specifically established or limited under this
10	Act; or
11	(3) to authorize regulatory actions that would
12	duplicate or conflict with regulatory requirements,
13	mandatory standards, or related processes under an-
14	other provision of Federal law.
15	(m) Authority of Secretary of Defense to
16	RESPOND TO CYBER ATTACKS.—Nothing in this Act shall
17	be construed to limit the authority of the Secretary of De-
18	fense to develop, prepare, coordinate, or, when directed by
19	the President to do so, conduct a military cyber operation
20	in response to a cyber attack carried out against the
21	United States or a United States person by a foreign gov-
22	ernment or an organization sponsored by a foreign govern-
23	ment.

26

1 SEC. 9. REPORT ON CYBERSECURITY THREATS.

1	SEC. 9. REPORT ON CYBERSECURITY THREATS.
2	(a) Report Required.—Not later than 180 days
3	after the date of the enactment of this Act, the Director
4	of National Intelligence, in coordination with the heads of
5	other appropriate elements of the intelligence community,
6	shall submit to the Select Committee on Intelligence of
7	the Senate and the Permanent Select Committee on Intel-
8	ligence of the House of Representatives a report on cyber-
9	security threats, including cyber attacks, theft, and data
10	breaches.
11	(b) Contents.—The report required by subsection
12	(a) shall include the following:
13	(1) An assessment of the current intelligence
14	sharing and cooperation relationships of the United
15	States with other countries regarding cybersecurity
16	threats, including cyber attacks, theft, and data
17	breaches, directed against the United States and
18	which threaten the United States national security
19	interests and economy and intellectual property, spe-
20	cifically identifying the relative utility of such rela-
21	tionships, which elements of the intelligence commu-
22	nity participate in such relationships, and whether
23	and how such relationships could be improved.
24	(2) A list and an assessment of the countries
25	and nonstate actors that are the primary threats of

carrying out a cybersecurity threat, including a

cyber attack, theft, or data breach, against the United States and which threaten the United States national security, economy, and intellectual property.

- (3) A description of the extent to which the capabilities of the United States Government to respond to or prevent cybersecurity threats, including cyber attacks, theft, or data breaches, directed against the United States private sector are degraded by a delay in the prompt notification by private entities of such threats or cyber attacks, theft, and breaches.
- (4) An assessment of additional technologies or capabilities that would enhance the ability of the United States to prevent and to respond to cybersecurity threats, including cyber attacks, theft, and data breaches.
- (5) An assessment of any technologies or practices utilized by the private sector that could be rapidly fielded to assist the intelligence community in preventing and responding to cybersecurity threats.
- 21 (c) FORM OF REPORT.—The report required by sub-22 section (a) shall be made available in classified and unclas-23 sified forms.
- 24 (d) Intelligence Community Defined.—In this 25 section, the term "intelligence community" has the mean-

- 1 ing given that term in section 3 of the National Security
- 2 Act of 1947 (50 U.S.C. 3003).
- 3 SEC. 10. CONFORMING AMENDMENTS.
- 4 (a) Public Information.—Section 552(b) of title
- 5 5, United States Code, is amended—
- 6 (1) in paragraph (8), by striking "or" at the
- $7 \quad \text{end};$
- 8 (2) in paragraph (9), by striking "wells." and
- 9 inserting "wells; or"; and
- 10 (3) by inserting after paragraph (9) the fol-
- 11 lowing:
- "(10) information shared with or provided to
- the Federal Government pursuant to the Cybersecu-
- rity Information Sharing Act of 2015.".
- 15 (b) Modification of Limitation on Dissemina-
- 16 TION OF CERTAIN INFORMATION CONCERNING PENETRA-
- 17 Tions of Defense Contractor Networks.—Section
- 18 941(c)(3) of the National Defense Authorization Act for
- 19 Fiscal Year 2013 (Public Law 112–239; 10 U.S.C. 2224
- 20 note) is amended by inserting at the end the following:
- 21 "The Secretary may share such information with other
- 22 Federal entities if such information consists of cyber
- 23 threat indicators and countermeasures and such informa-
- 24 tion is shared consistent with the policies and procedures

48

- 1 promulgated by the Attorney General under section 5 of
- 2 the Cybersecurity Information Sharing Act of 2015.".