119TH CONGRESS		
1st Session		
	<b></b>	

To amend the Infrastructure Investment and Jobs Act to authorize the use of remaining funds under the Broadband Equity, Access, and Deployment Program for competitive subgrants to support the success of the broadband deployment projects funded by that program, and for other purposes.

## IN THE SENATE OF THE UNITED STATES

Mr. Wicker (for himself and Mrs. Capito) introduced the following bill; which was read twice and referred to the Committee on

## A BILL

To amend the Infrastructure Investment and Jobs Act to authorize the use of remaining funds under the Broadband Equity, Access, and Deployment Program for competitive subgrants to support the success of the broadband deployment projects funded by that program, 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,

## 1 SECTION 1. SHORT TITLE.

- This Act may be cited as the "Supporting U.S. Crit-
- 3 ical Connectivity and Economic Strategy and Security for
- 4 BEAD Act" or the "SUCCESS for BEAD Act".

## 5 SEC. 2. FINDINGS.

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- 6 Congress finds the following:
- 7 (1) Grant funds allocated to an eligible entity
  8 under section 60102 of the Infrastructure Invest9 ment and Jobs Act (47 U.S.C. 1702) that remain
  10 after the eligible entity's final proposal is approved
  11 should be used to enhance and sustain the success
  12 of the broadband deployment projects approved pur13 suant to that proposal.
  - (2) Strengthening the telecommunication infrastructure of the United States, including high-capacity fiber and network interconnection, and developing an adequate, targeted workforce are essential to deploying and scaling artificial intelligence (commonly referred to as "AI") technologies, which are critical for maintaining United States leadership in emerging technologies.
  - (3) Federal broadband investments to modernize and harden the networks of the United States, including the 9–1–1 networks, are also vital for public safety and national security.

1	(4) The People's Republic of China is investing
2	heavily in AI and advanced network infrastructure
3	and workforce training, presenting a geopolitical and
4	technological challenge to the leadership of the
5	United States that warrants action.
6	SEC. 3. BEAD SUBGRANTS FOR PUBLIC SAFETY, NATIONAL
7	SECURITY, WORKFORCE DEVELOPMENT, AND
8	MEANINGFUL USE OF AI-SUPPORTIVE TELE
9	COMMUNICATIONS INFRASTRUCTURE.
10	(a) In General.—Section 60102 of the Infrastruc-
11	ture Investment and Jobs Act (47 U.S.C. 1702) is amend-
12	ed—
13	(1) in subsection $(a)(2)$ —
14	(A) by redesignating subparagraphs (I)
15	through (N) as subparagraphs (P) through (U)
16	respectively;
17	(B) by redesignating subparagraph (H) as
18	subparagraph (N);
19	(C) by redesignating subparagraph (G) as
20	subparagraph (K);
21	(D) by redesignating subparagraphs (E)
22	and (F) as subparagraphs (H) and (I), respec-
23	tively;

1	(E) by redesignating subparagraphs (A)
2	through (D) as subparagraphs (C) through (F),
3	respectively;
4	(F) by inserting before subparagraph (C),
5	as so redesignated, the following:
6	"(A) 9–1–1 request for emergency as-
7	SISTANCE.—The term '9-1-1 request for emer-
8	gency assistance' means a communication, such
9	as voice, text, picture, multimedia, or any other
10	type of data, that is sent to an emergency com-
11	munications center for the purpose of request-
12	ing emergency assistance.
13	"(B) ARTIFICIAL INTELLIGENCE.—The
14	term 'artificial intelligence' has the meaning
15	given the term in section 5002 of the National
16	Artificial Intelligence Initiative Act of 2020 (15
17	U.S.C. 9401).";
18	(G) by inserting after subparagraph (F),
19	as so redesignated, the following:
20	"(G) COMMONLY ACCEPTED STAND-
21	ARDS.—The term 'commonly accepted stand-
22	ards' means the technical standards followed by
23	the communications industry for network, de-
24	vice, and Internet Protocol connectivity that—
25	"(i) enable interoperability; and

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1	"(ii) are—
2	"(I) developed and approved by a
3	standards development organization
4	that is accredited by an American
5	standards body (such as the American
6	National Standards Institute) or an
7	equivalent international standards
8	body in a process that—
9	"(aa) is open for participa-
10	tion by any person; and
11	"(bb) provides for a conflict
12	resolution process;
13	"(II) subject to an open comment
14	and input process before being final-
15	ized by the standards development or-
16	ganization;
17	"(III) consensus-based; and
18	"(IV) made publicly available
19	once approved.";
20	(H) by inserting after subparagraph (I), as
21	so redesignated, the following:
22	"(J) Emergency communications cen-
23	TER.—
24	"(i) In general.—The term 'emer-
25	gency communications center' means—

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1	"(I) a facility that—
2	"(aa) is designated to re-
3	ceive a 9-1-1 request for emer-
4	gency assistance; and
5	"(bb) performs 1 or more of
6	the functions described in clause
7	(ii); or
8	"(II) a public safety answering
9	point, as defined in section 222 of the
10	Communications Act of 1934 (47
11	U.S.C. 222).
12	"(ii) Functions described.—The
13	functions described in this clause are the
14	following:
15	"(I) Processing and analyzing 9-
16	1–1 requests for emergency assistance
17	and information and data related to
18	such requests.
19	"(II) Dispatching appropriate
20	emergency response providers.
21	"(III) Transferring or exchange
22	ing 9-1-1 requests for emergency as-
23	sistance and information and data re-
24	lated to such requests to or with 1 or
25	more other emergency communica-

1	tions centers or emergency response
2	providers.
3	"(IV) Analyzing any communica-
4	tions received from emergency re-
5	sponse providers.
6	"(V) Supporting incident com-
7	mand functions.";
8	(I) by inserting after subparagraph (K), as
9	so redesignated, the following:
10	"(L) Interoperability.—The term
11	'interoperability' means the capability of emer-
12	gency communications centers to receive 9–1–1
13	requests for emergency assistance and informa-
14	tion and data related to such requests, such as
15	location information and callback numbers from
16	a person initiating the request, then process
17	and share the 9–1–1 requests for emergency as-
18	sistance and information and data related to
19	such requests with other emergency commu-
20	nications centers and emergency response pro-
21	viders without the need for proprietary inter-
22	faces and regardless of jurisdiction, equipment,
23	device, software, service provider, or other rel-
24	evant factors.

1	(M) INTERNET EXCHANGE POINT.—The
2	term 'internet exchange point' means a physical
3	building and related infrastructure that—
4	"(i) enables internet service providers,
5	transport networks, mobile networks, con-
6	tent delivery networks, artificial intel-
7	ligence systems, and other network opera-
8	tors to directly interconnect and exchange
9	data traffic among their networks;
10	"(ii) provides neutral, nondiscrim-
11	inatory access to all network operators in
12	good standing under published and reason-
13	able rates and terms with no requirement
14	for the purchase of network services as a
15	condition of access; and
16	"(iii) provides access to a shared
17	internet exchange (commonly known as an
18	'IX') switching fabric that enables partici-
19	pating networks to establish Border Gate-
20	way Protocol sessions, whether directly be-
21	tween participants or through a shared
22	route server."; and
23	(J) by inserting after subparagraph (N)
24	as so redesignated, the following:

1	"(O) NEXT GENERATION 9-1-1.—The
2	term 'Next Generation 9–1–1' means an Inter-
3	net Protocol-based system that—
4	"(i) ensures interoperability;
5	"(ii) is secure;
6	"(iii) employs commonly accepted
7	standards;
8	"(iv) enables emergency communica-
9	tions centers to receive, process, and ana-
10	lyze all types of 9–1–1 requests for emer-
11	gency assistance;
12	"(v) acquires and integrates addi-
13	tional information useful to handling 9–1–
14	1 requests for emergency assistance; and
15	"(vi) supports sharing information re-
16	lated to 9–1–1 requests for emergency as-
17	sistance among emergency communications
18	centers and emergency response pro-
19	viders.";
20	(2) in subsection $(e)(5)(C)$ —
21	(A) by striking clause (ii);
22	(B) by striking "Reallocation to
23	OTHER ELIGIBLE ENTITIES.—" and all that fol-
24	lows through "The Assistant Secretary" and in-
25	serting "Reallocation to other eligible

1	ENTITIES DUE TO APPLICATION FAILURES.—
2	The Assistant Secretary";
3	(C) by redesignating subclauses (I) and
4	(II) as clauses (i) and (ii), respectively, and ad-
5	justing the margins accordingly; and
6	(D) in clause (ii), as so redesignated, by
7	striking "subclause (I) of this clause" and in-
8	serting "clause (i) of this subparagraph";
9	(3) in subsection (e)(4)(A)(i), in the matter pre-
10	ceding subclause (I), by striking "approvals" and in-
11	serting "approves"; and
12	(4) in subsection (f)—
13	(A) by striking paragraphs (3) through
14	(6);
15	(B) by redesignating paragraphs (1) and
16	(2) as subparagraphs (A) and (B), respectively,
17	and adjusting the margins accordingly;
18	(C) in subparagraph (A), as so redesig-
19	nated, by adding "and" at the end;
20	(D) in subparagraph (B), as so redesig-
21	nated, by striking the semicolon at the end and
22	inserting a period;
23	(E) by striking "An eligible entity may use
24	grant funds received under this section to com-

1	petitively award subgrants for—" and inserting
2	the following:
3	"(1) Permissible uses.—An eligible entity
4	may use grant funds received under this section to
5	competitively award subgrants for—"; and
6	(F) by adding at the end the following:
7	"(2) Use of remaining amounts for
8	PROJECTS RELATING TO AI-SUPPORTIVE TELE-
9	COMMUNICATIONS INFRASTRUCTURE, WORKFORCE
10	DEVELOPMENT, PUBLIC SAFETY, AND NATIONAL SE-
11	CURITY.—
12	"(A) Definitions.—In this paragraph:
13	"(i) ELIGIBLE PROJECT.—The term
14	'eligible project' means a project for—
15	"(I) the construction of —
16	"(aa) lit or dark fiber that is
17	to be made available on a whole-
18	sale basis;
19	"(bb) conduit systems, man-
20	holes, in-line amplifier facilities,
21	and related infrastructure;
22	"(cc) carrier-neutral internet
23	exchange points;
24	"(dd) mobile wireless com-
25	munications infrastructure;

1	"(ee) facilities that house
2	workforce development programs
3	narrowly targeted to address
4	worker shortages in the tele-
5	communications, cybersecurity,
6	artificial intelligence, and elec-
7	trical distribution sectors, to the
8	extent such programs promote or
9	facilitate the deployment of
10	broadband infrastructure;
11	"(ff) submarine cable sys-
12	tems;
13	"(gg) carrier-neutral sub-
14	marine cable landing stations;
15	"(hh) mobile wireless com-
16	munications infrastructure on
17	educational facilities, including
18	those on Tribal lands, that in-
19	creases coverage, capacity, resil-
20	iency, or security capabilities of
21	connectivity for public safety pur-
22	poses; or
23	"(ii) a combination of infra-
24	structure described in any of
25	items (aa) through (hh);

1	"(II) the planning and implemen-
2	tation of workforce development pro-
3	grams narrowly targeted to address
4	worker shortages in the telecommuni-
5	cations, artificial intelligence, and
6	electrical distribution sectors, to the
7	extent such programs promote or fa-
8	cilitate the deployment or meaningful
9	use of broadband infrastructure;
10	"(III) the planning, implementa-
11	tion, or maintenance of Next Genera-
12	tion 9–1–1 in emergency communica-
13	tions centers;
14	"(IV) data collection, mapping,
15	and planning;
16	"(V) resources for tools, per-
17	sonnel, systems, training, or technical
18	assistance to accelerate, streamline, or
19	improve the efficiency of permitting
20	processes necessary for broadband de-
21	ployment; and
22	"(VI) any use determined nec-
23	essary by the Assistant Secretary to
24	facilitate the goals of the Program.

1	"(ii) Remaining amounts.—The
2	term 'remaining amounts', with respect to
3	the allocations to an eligible entity under
4	subsection (c), means any amounts remain-
5	ing from those allocations upon approval of
6	the eligible entity's final proposal under
7	subsection (e)(4).
8	"(B) Use of remaining amounts.—
9	"(i) Subgrant Program.—Notwith-
10	standing any other provision of this sec-
11	tion, an eligible entity shall use all remain-
12	ing amounts to establish a competitive
13	subgrant program to support 1 or more el-
14	igible projects.
15	"(ii) Noncompetitive subgrants
16	TO WORKFORCE DEVELOPMENT BOARDS.—
17	If an eligible entity wishing to support an
18	eligible project described in subparagraph
19	(A)(i)(II) (relating to workforce develop-
20	ment programs) has a workforce develop-
21	ment board, the eligible entity may satisfy
22	clause (i) of this subparagraph by award-
23	ing a subgrant to the workforce develop-
24	ment board without conducting a competi-
25	tive subgrant program.

1	"(C) PROHIBITED USE OF FUNDS.—A
2	subgrant awarded under subparagraph (B) may
3	not be used for the construction, operation, or
4	expansion of a data center that has the primary
5	purpose of processing and storing digital infor-
6	mation.
7	"(D) Priority.—In awarding subgrants
8	under subparagraph (B), an eligible entity shall
9	prioritize proposals that—
10	"(i) develop infrastructure described
11	in subparagraph (A) in 1 or more regions
12	that are unserved or underserved by such
13	infrastructure, including on Tribal lands;
14	"(ii) are strategically critical for pub-
15	lic safety, national security, or economic
16	development;
17	"(iii) produce a qualified workforce to
18	support the telecommunications, cybersecu-
19	rity, artificial intelligence, and electrical
20	distribution sectors, to the extent such pro-
21	posals promote or facilitate the deployment
22	or meaningful use of broadband infrastruc-
23	ture;
24	"(iv) directly support enhanced
25	connectivity to, or network capabilities of,

1	military installations, national laboratories.
2	or other relevant Federal facilities, includ-
3	ing facilities of the National Oceanic and
4	Atmospheric Administration;
5	"(v) advance the cybersecurity or
6	meaningful use of projects for which such
7	subgrants are awarded;
8	"(vi) support direct network inter-
9	connection between edge artificial intel-
10	ligence data centers and local networks, in-
11	cluding internet service providers, mobile
12	networks, and research and education net-
13	works;
14	"(vii) enhance the network capacity,
15	resiliency, hardening, or geographic reach
16	of telecommunications backbone infrastruc-
17	ture; and
18	"(viii) accomplish 2 or more of the ob-
19	jectives described in clauses (i) through
20	(vii).
21	"(E) Limited operational expenses.—
22	A subgrant awarded under subparagraph (B)
23	may include funding for reasonable projected
24	operations and maintenance expenses for a pe-
25	riod of 24 months after completion of the

1	project, not to exceed 15 percent of the amount
2	of the subgrant.
3	"(F) MATCHING REQUIREMENT.—
4	"(i) Amount.—Notwithstanding any
5	other provision of this section, in awarding
6	subgrants under subparagraph (B), other
7	than a subgrant awarded for an eligible ac-
8	tivity described in subparagraph
9	(A)(i)(III), an eligible entity shall require a
10	subgrantee to provide a contribution of not
11	less than 25 percent of project costs.
12	"(ii) Waiver.—Upon request by a
13	subgrantee, an eligible entity may reduce
14	or waive the required matching contribu-
15	tion under clause (i).
16	"(iii) Source of Match.—A match-
17	ing contribution under clause (i) may in-
18	clude in-kind contributions made by a sub-
19	grantee or a third-party entity.
20	"(G) Interstate projects.—Two or
21	more eligible entities may execute memoranda
22	of agreement between or among one another to
23	facilitate subgrant awards under subparagraph
24	(B) for eligible projects that span 2 or more eli-
25	gible entities.

1	"(H) Challenge process for eligible
2	FIBER INFRASTRUCTURE PROJECTS.—
3	"(i) In General.—A subgrant
4	awarded by an eligible entity under sub-
5	paragraph (B) for the construction of lit or
6	dark fiber that is to be made available on
7	a wholesale basis, as described in subpara-
8	graph (A)(i)(I), shall be subject to a man-
9	datory public challenge process adminis-
10	tered by the eligible entity.
11	"(ii) Public notice and chal-
12	Lenge window.—Before awarding a
13	subgrant described in clause (i), an eligible
14	entity shall—
15	"(I) make the proposed project
16	routes and other relevant attributes
17	available on a publicly accessible
18	website maintained by the eligible en-
19	tity for a period of not less than 14
20	days (in this subparagraph referred to
21	as the 'public notice and challenge
22	window'); and
23	"(II) allow for the submission of
24	challenges during the public notice
25	and challenge window on the grounds

1	that the proposed project constitutes
2	overbuilding.
3	"(iii) Criteria for valid chal-
4	LENGES.—A proposed project described in
5	clause (i) may only be challenged under
6	clause (ii)(II) if the challenger dem-
7	onstrates that—
8	"(I) a substantially similar fiber
9	route already exists between defined
10	locations;
11	"(II) the existing fiber route is
12	available to wholesale customers on
13	comparable terms and conditions, in-
14	cluding price, capacity, and service
15	level agreements;
16	"(III) the existing infrastructure
17	meets the same intended use as the
18	proposed project, including latency,
19	resiliency, and interconnection capa-
20	bilities; and
21	"(IV) the proposed project does
22	not substantially improve resilient, re-
23	dundant, or alternative connection
24	paths.
25	"(iv) Determination.—

1	"(I) In general.—Upon receipt
2	of a timely challenge under clause
3	(ii)(II), an eligible entity shall conduct
4	a review and issue a final determina-
5	tion as to the validity of the challenge
6	not later than 30 days after the close
7	of the public notice and challenge win-
8	dow.
9	"(II) Factors for determina-
10	TION.—An eligible entity shall base a
11	final determination under subclause
12	(I) on a holistic review of route simi-
13	larity, capacity, availability, service of-
14	ferings, pricing, and strategic jus-
15	tification.
16	"(v) Transparency required.—An
17	eligible entity shall publish a summary of
18	each challenge received under clause
19	(ii)(II) and the corresponding final deter-
20	mination issued under clause (iv)(I), in-
21	cluding the rationale for any decision to
22	uphold or reject the challenge.
23	"(vi) Limitation.—The existence of
24	any fiber route that is not made available
25	on reasonable wholesale terms, or that does

1	not meet the intended purpose or technical
2	performance of the proposed project, shall
3	not be grounds for a valid challenge under
4	clause (ii)(II).
5	"(I) Rule of construction regarding
6	NEXT GENERATION 9-1-1.—Nothing in this
7	paragraph, including the authority to use re-
8	maining amounts for the planning, implementa-
9	tion, or maintenance of Next Generation 9–1–
10	1 in emergency communications centers as de-
11	scribed in subparagraph $(A)(i)(III)$ , shall be
12	construed to expand or otherwise modify the
13	definition of the term 'originating service pro-
14	vider' in section 9.28 of title 47, Code of Fed-
15	eral Regulations (or any successor regulation).
16	"(J) Rule of construction regarding
17	UNSPENT FUNDS.—Nothing in this section shall
18	be construed to limit or prevent an eligible enti-
19	ty from returning to the Treasury any amounts
20	allocated to the eligible entity under subsection
21	(c) that are not spent.".
22	(b) Waiver on Build America, Buy America.—
23	Section 60102(i) of the Infrastructure Investment and
24	Jobs Act (47 U.S.C. 1702(i)) is amended—

1	(1) by striking "The Assistant Secretary" and
2	inserting the following:
3	"(1) Authority to issue regulations.—
4	The Assistant Secretary'; and
5	(2) by adding at the end the following:
6	"(2) Applicability of build america buy
7	AMERICA ACT WAIVER.—The notice of final waiver
8	issued by the Assistant Secretary, titled 'Limited
9	General Applicability Nonavailability Waiver of the
10	Buy America Domestic Content Procurement Pref-
11	erence as Applied to Recipients of Broadband Eq-
12	uity, Access, and Deployment Program', effective on
13	February 22, 2024, may not be revised or re-
14	scinded.".
15	(e) Guidance to Eligible Entities.—
16	(1) In general.—Not later than 30 days after
17	the date of enactment of this Act, the Assistant Sec-
18	retary of Commerce for Communications and Infor-
19	mation shall issue any guidance necessary to imple-
20	ment the amendments made by subsection (a), con-
21	sistent with the purposes of this Act.
22	(2) Coordination with secretary of
23	LABOR.—In the case of guidance described in para-
24	graph (1) that pertains to workforce development
25	programs, the Assistant Secretary of Commerce for

1	Communications and Information shall develop the
2	guidance in coordination with the Secretary of
3	Labor.
4	(3) Application of Uniform Guidance.—
5	The guidance issued under paragraph (1) shall in-
6	corporate and apply, to the maximum extent prac-
7	ticable, the requirements of part 200 of title 2, Code
8	of Federal Regulations (commonly referred to as the
9	"Uniform Administrative Requirements, Cost Prin-
10	ciples, and Audit Requirements for Federal
11	Awards'').
12	(d) Coordination of Projects Relating to the
13	Planning, Implementation, or Maintenance of
14	NEXT GENERATION 9-1-1.—Paragraph (2) of section
15	60102(f) of the Infrastructure Investment and Jobs Act
16	(47 U.S.C. 1702(f)), as amended by subsection (a), is
17	amended by adding at the end the following:
18	"(K) Coordination of Projects relat-
19	ING TO THE PLANNING, IMPLEMENTATION, OR
20	MAINTENANCE OF NEXT GENERATION 9-1-1.
21	"(i) Duties of Assistant Sec-
22	RETARY WITH RESPECT TO NEXT GENERA-
23	TION 9-1-1.—The Assistant Secretary, act-
24	ing through the Associate Administrator
25	for Public Safety Communications, shall—

I	"(1) take actions, in coordination
2	with State points of contact described
3	in clause (ii)(II) as applicable, to im-
4	prove coordination and communication
5	with respect to the implementation of
6	Next Generation 9–1–1;
7	"(II) develop, collect, and dis-
8	seminate information concerning the
9	practices, procedures, and technology
10	used in the implementation of Next
11	Generation 9–1–1;
12	"(III) advise and assist eligible
13	entities in the preparation of certifi-
14	cations required under clause (ii);
15	"(IV) provide technical assistance
16	to eligible entities that choose to use
17	remaining amounts in support of ef-
18	forts to explore efficiencies related to
19	Next Generation 9–1–1;
20	"(V) review and approve or dis-
21	approve the proposed use of remain-
22	ing amounts for eligible projects de-
23	scribed in subparagraph (A)(i)(III)
24	and

1	"(VI) oversee the use of sub-
2	grants awarded under subparagraph
3	(B) for eligible projects described in
4	subparagraph (A)(i)(III).
5	"(ii) Coordination required.—To
6	the extent that an eligible entity proposes
7	to use remaining amounts for the plan-
8	ning, implementation, or maintenance of
9	Next Generation 9–1–1 in emergency com-
10	munications centers as described in sub-
11	paragraph (A)(i)(III), the eligible entity
12	shall submit to the Assistant Secretary a
13	certification that the eligible entity—
14	"(I) has coordinated the pro-
15	posed use with each emergency com-
16	munications center located within the
17	jurisdiction of the eligible entity;
18	"(II) has designated a single offi-
19	cer or governmental body to serve as
20	the point of contact to coordinate the
21	implementation of Next Generation 9-
22	1–1 for that eligible entity, except
23	that such designation need not vest
24	such officer or governmental body
25	with direct legal authority to imple-

1	ment Next Generation 9-1-1 or to
2	manage emergency communications
3	operations; and
4	"(III) has developed a plan for
5	the coordination and implementation
6	of Next Generation 9–1–1 that—
7	"(aa) ensures interoper-
8	ability by requiring the use of
9	commonly accepted standards;
10	"(bb) ensures reliability;
11	"(cc) enables emergency
12	communications centers to proc-
13	ess, analyze, and store multi-
14	media, data, and other informa-
15	tion;
16	"(dd) incorporates cyberse-
17	curity tools, including intrusion
18	detection and prevention meas-
19	ures;
20	"(ee) includes strategies for
21	coordinating cybersecurity infor-
22	mation sharing between Federal,
23	State, Tribal, and local govern-
24	ment partners;

1	"(ff) uses open and competi-
2	tive request for proposal proc-
3	esses, including through shared
4	government procurement vehicles
5	for deployment of Next Genera-
6	tion 9–1–1;
7	"(gg) documents how input
8	was received and accounted for
9	from relevant rural and urban
10	emergency communications cen-
11	ters, regional authorities, local
12	authorities, and Tribal authori-
13	ties;
14	"(hh) includes 1 or more
15	governance bodies, either by cre-
16	ation of 1 or more new, or use of
17	1 or more existing, bodies, for
18	the deployment of Next Genera-
19	tion 9–1–1 that ensures full no-
20	tice and opportunity for partici-
21	pation by relevant stakeholders;
22	"(ii) creates efficiencies re-
23	lated to Next Generation 9–1–1
24	functions, including cybersecurity
25	and the virtualization and shar-

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1	ing of infrastructure, equipment
2	and services; and
3	"(jj) utilizes an effective,
4	competitive approach to estab-
5	lishing authentication,
6	credentialing, secure connections
7	and access in deploying Next
8	Generation 9–1–1, including
9	by—
10	"(AA) requiring certifi-
11	cate authorities to be capa-
12	ble of cross-certification with
13	other authorities;
14	"(BB) avoiding risk of
15	a single point of failure or
16	vulnerability; and
17	"(CC) adhering to Fed-
18	eral agency best practices
19	such as those promulgated
20	by the National Institute of
21	Standards and Tech-
22	nology.".