

AMENDMENT NO. _____ Calendar No. _____

Purpose: In the nature of a substitute.

IN THE SENATE OF THE UNITED STATES—116th Cong., 2d Sess.

S. 4157

To amend the Homeland Security Act of 2002 to expand the authority of the National Infrastructure Simulation and Analysis Center, and for other purposes.

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT IN THE NATURE OF A SUBSTITUTE intended to be proposed by Mr. JOHNSON (for himself and Mr. PETERS)

Viz:

1 Strike all after the enacting clause and insert the fol-
2 lowing:

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Infrastruc-
5 ture Simulation and Analysis Center Pandemic Modeling
6 Act of 2020”.

7 **SEC. 2. NATIONAL INFRASTRUCTURE SIMULATION AND**
8 **ANALYSIS CENTER.**

9 Section 511 of the Homeland Security Act of 2002
10 (6 U.S.C. 321) is amended—

11 (1) in subsection (b)—

- 1 (A) in paragraph (1)—
- 2 (i) in subparagraph (A) by striking
- 3 “and” at the end;
- 4 (ii) in subparagraph (B)—
- 5 (I) by inserting “, pandemic”
- 6 after “natural disaster”; and
- 7 (II) by striking the period at the
- 8 end and inserting “; and”; and
- 9 (iii) by adding at the end the fol-
- 10 lowing:
- 11 “(C) such other activities as determined
- 12 appropriate by the Director of the Cybersecu-
- 13 rity and Infrastructure Security Agency.”; and
- 14 (B) in paragraph (2)(C)—
- 15 (i) in clause (i)—
- 16 (I) by inserting “, pandemics”
- 17 after “natural disasters”; and
- 18 (II) by striking “and other man-
- 19 made disasters” and inserting “other
- 20 man-made disasters, and such other
- 21 activities as determined appropriate
- 22 by the Director of the Cybersecurity
- 23 and Infrastructure Security Agency”;
- 24 and

1 (ii) in clause (ii), by inserting “upon
2 request and not later than 15 days after
3 completion” before “, including”.

4 **SEC. 3. REPORTING AND BRIEFING REQUIREMENTS.**

5 (a) REPORTING TO FEDERAL AGENCIES.—

6 (1) SUMMARY OF CURRENT PROJECTS.—

7 (A) IN GENERAL.—Not later than October
8 1, 2021, and once each year thereafter, the Di-
9 rector of the Cybersecurity and Infrastructure
10 Security Agency shall provide the following in-
11 formation to each Federal agency and depart-
12 ment with critical infrastructure responsibilities
13 under Presidential Policy Directive–21, or any
14 successor to such directive:

15 (i) A summary of the priorities of the
16 National Infrastructure Simulation and
17 Analysis Center as of the date on which
18 the information is provided under this sub-
19 paragraph.

20 (ii) A summary of each project carried
21 out during the 1-year period preceding the
22 date on which the information is provided
23 under this subparagraph, including key
24 findings and recommendations.

1 (B) REQUEST FOR ADDITIONAL INFORMA-
2 TION.—If the head of a Federal agency or de-
3 partment with critical infrastructure respon-
4 sibilities under Presidential Policy Directive–21,
5 or any successor to such directive, requests ad-
6 ditional information on a specific project sum-
7 marized under subparagraph (A), the Director
8 of the Cybersecurity and Infrastructure Secu-
9 rity Agency shall provide the information not
10 later than 30 days after the date of the request.

11 (2) PRIOR DATA.—

12 (A) IN GENERAL.—Not later than 90 days
13 after the date of enactment of this Act, the Di-
14 rector of the Cybersecurity and Infrastructure
15 Security Agency shall provide a catalogue of the
16 projects of the National Infrastructure Simula-
17 tion and Analysis Center for each of fiscal years
18 2014 through 2020 to each Federal agency and
19 department with critical infrastructure respon-
20 sibilities under Presidential Policy Directive–21,
21 or any successor to such directive.

22 (B) REQUEST FOR ADDITIONAL INFORMA-
23 TION.—If the head of a Federal agency or de-
24 partment with critical infrastructure respon-
25 sibilities under Presidential Policy Directive–21,

1 or any successor to such directive, requests ad-
2 ditional information on a specific project
3 catalogued under subparagraph (A), the Direc-
4 tor of the Cybersecurity and Infrastructure Se-
5 curity Agency shall provide the information not
6 later than 30 days after the date of the request.

7 (3) PANDEMIC PORTFOLIO SUMMARY.—

8 (A) IN GENERAL.—Not later than 45 days
9 after the date of enactment of this Act, the Di-
10 rector of the Cybersecurity and Infrastructure
11 Security Agency shall provide all pandemic re-
12 ports of the National Infrastructure Simulation
13 and Analysis Center completed before the date
14 of enactment of this Act to each Federal agency
15 and department with critical infrastructure re-
16 sponsibilities under Presidential Policy Direc-
17 tive–21, or any successor to such directive.

18 (B) REQUEST FOR ADDITIONAL INFORMA-
19 TION.—If the head of a Federal agency or de-
20 partment with critical infrastructure respon-
21 sibilities under Presidential Policy Directive–21,
22 or any successor to such directive, requests ad-
23 ditional information on a past project or spe-
24 cific pandemic report provided under subpara-
25 graph (A), the Director of the Cybersecurity

1 distributed and utilized within the Federal
2 Government.

3 (C) A description of how the information,
4 findings, and recommendations from the
5 projects described in subparagraph (B) align
6 with the priorities of the Department.

7 (D) For each project beginning after the
8 date of enactment of this Act, a breakdown of
9 the number of scientists from the national lab-
10 oratories that are contributing to the projects
11 and priorities of the National Infrastructure
12 Simulation and Analysis Center.

13 (2) PRIOR DATA.—Not later than 90 days after
14 the date of enactment of this Act, the Director of
15 the Cybersecurity and Infrastructure Security Agen-
16 cy shall provide a catalogue of the projects of the
17 National Infrastructure Simulation and Analysis
18 Center for each of fiscal years 2014 through 2020
19 to the Committee on Homeland Security and Gov-
20 ernmental Affairs of the Senate and the Committee
21 on Homeland Security of the House of Representa-
22 tives.

23 (3) PANDEMIC PORTFOLIO SUMMARY.—Not
24 later than 90 days after the date of enactment of
25 this Act, and once each year thereafter for 2 years,

1 the Director of the Cybersecurity and Infrastructure
2 Security Agency shall provide the following informa-
3 tion to the Committee on Homeland Security and
4 Governmental Affairs of the Senate and the Com-
5 mittee on Homeland Security of the House of Rep-
6 resentatives:

7 (A) All pandemic reports and a summary
8 of pandemic projects of the National Infrastruc-
9 ture Simulation and Analysis Center completed
10 before the date of enactment of this Act, or, in
11 the case of information provided after the first
12 90-day period, a summary of each pandemic
13 project and report completed during the 1-year
14 period covered by the information.

15 (B) A summary of lessons learned from
16 the pandemic reports and projects described in
17 subparagraph (A).

18 (C) A summary of how the pandemic re-
19 ports and projects described in subparagraph
20 (A) were used to plan for and respond to the
21 COVID-19 pandemic and national emergency.

22 (D) A description of—

23 (i) how the pandemic reports and
24 projects described in subparagraph (A),
25 and any key findings or recommendations

1 based on such reports and projects, were
2 distributed and utilized within the Federal
3 Government; and

4 (ii) the specific agencies to which the
5 information described in clause (i) was dis-
6 tributed.

7 (E) A summary of the projects and prior-
8 ities developed by the National Infrastructure
9 Simulation and Analysis Center during the re-
10 porting periods to assist in the response to the
11 COVID–19 pandemic and national emergency.

12 (F) For each project beginning after the
13 date of enactment of this Act, a breakdown of
14 the number of scientists from the national lab-
15 oratories that are contributing to the pandemic
16 projects and priorities of the National Infra-
17 structure Simulation and Analysis Center.

18 (c) BRIEFING TO CONGRESS.—

19 (1) IN GENERAL.—Not later than 180 days
20 after the date of enactment of this Act, the Director
21 of the Cybersecurity and Infrastructure Security
22 Agency shall provide a briefing on current pandemic
23 modeling, simulation, and analyses of the National
24 Infrastructure Simulation and Analysis Center, any
25 additional activities supporting these efforts, and

1 how the Department of Homeland Security is apply-
2 ing this information to current and future COVID-
3 19 pandemic work to the Committee on Homeland
4 Security and Governmental Affairs of the Senate
5 and the Committee on Homeland Security of the
6 House of Representatives.

7 (2) ADDITIONAL BRIEFING.—Not later than
8 180 days after the date on which the Director of the
9 Cybersecurity and Infrastructure Security Agency
10 provides the briefing required under paragraph (1),
11 and every 180 days thereafter until the date that is
12 2 years after the date of enactment of this Act, the
13 Director of the Cybersecurity and Infrastructure Se-
14 curity Agency shall provide an updated version of
15 the briefing to the Committee on Homeland Security
16 and Governmental Affairs of the Senate and the
17 Committee on Homeland Security of the House of
18 Representatives.