

Calendar No. 654

118TH CONGRESS
2D SESSION**S. 4419****[Report No. 118–253]**

To require the Science and Technology Directorate in the Department of Homeland Security to develop greater capacity to detect, identify, and disrupt illicit substances in very low concentrations.

IN THE SENATE OF THE UNITED STATES

MAY 23, 2024

Mr. CORNYN (for himself, Mr. OSSOFF, Ms. SINEMA, Mr. LANKFORD, Ms. ROSEN, Mr. MORAN, and Mr. WARNOCK) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

DECEMBER 2, 2024

Reported by Mr. PETERS, with an amendment and an amendment to the title
[Strike out all after the enacting clause and insert the part printed in *italie*]

A BILL

To require the Science and Technology Directorate in the Department of Homeland Security to develop greater capacity to detect, identify, and disrupt illicit substances in very low concentrations.

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 TITLES.**

2 This Act may be cited as the “Detection Equipment
3 and Technology Evaluation to Counter the Threat of
4 Fentanyl and Xylazine Act of 2024” or the “DETECT
5 Fentanyl and Xylazine Act of 2024”.

6 **SEC. 2. ENHANCING THE CAPACITY TO DETECT, IDENTIFY,**
7 **AND DISRUPT DRUGS SUCH AS FENTANYL**
8 **AND XYLAZINE.**

9 Section 302 of the Homeland Security Act of 2002
10 (6 U.S.C. 182) is amended—

11 (1) in paragraph (13), by striking “and” at the
12 end;

13 (2) in paragraph (14), by striking the period at
14 the end and inserting “; and”; and

15 (3) by adding at the end the following:

16 “(15) carrying out research, development, test-
17 ing, evaluation, and cost-benefit analyses to improve
18 the safety, effectiveness, and efficiency of equipment
19 and reference libraries for use by Federal, State,
20 local, and Tribal law enforcement agencies for the
21 accurate detection of drugs or the disruption of drug
22 trafficking for drugs such as fentanyl and xylazine,
23 including, but not limited to—

24 “(A) portable equipment that can detect
25 and identify drugs with minimal or no handling
26 of the sample;

1 “(B) equipment that can separate complex
2 mixtures containing low concentrations of drugs
3 and high concentrations of cutting agents into
4 their component parts to enable signature ex-
5 traction for field identification and detection;
6 and

7 “(C) technologies that use machine learn-
8 ing or artificial intelligence (as defined in sec-
9 tion 5002 of the National Artificial Intelligence
10 Initiative Act of 2020 (15 U.S.C. 9401)) and
11 other techniques to predict whether the sub-
12 stances in a sample are controlled substance
13 analogues or other new psychoactive substances
14 not yet included in available reference librar-
15 ies.”.

16 **SEC. 3. REQUIREMENTS.**

17 In carrying out section 302(15) of the Homeland Se-
18 curity Act of 2002, as added by section 2, the Under Sec-
19 retary for Science and Technology shall—

20 (1) follow the recommendations, guidelines, and
21 best practices described in the Artificial Intelligence
22 Risk Management Framework (NIST AI 100–1) or
23 any successor document published by the National
24 Institute of Standards and Technology; and

1 (2) establish the Directorate of Science and
 2 Technology’s research, development, testing, evalua-
 3 tion, and cost-benefit analysis priorities under such
 4 section 302(15) based on the latest available infor-
 5 mation, including the latest State and Territory Re-
 6 port on Enduring and Emerging Threats published
 7 by the Drug Enforcement Administration or any
 8 successor document.

9 **SECTION 1. SHORT TITLES.**

10 *This Act may be cited as the “Detection Equipment*
 11 *and Technology Evaluation to Counter the Threat of*
 12 *Fentanyl and Xylazine Act of 2024” or the “DETECT*
 13 *Fentanyl and Xylazine Act of 2024”.*

14 **SEC. 2. ENHANCING THE CAPACITY TO DETECT AND IDEN-**
 15 **TIFY DRUGS SUCH AS FENTANYL AND**
 16 **XYLAZINE.**

17 *Section 302 of the Homeland Security Act of 2002 (6*
 18 *U.S.C. 182) is amended—*

19 (1) *in paragraph (13), by striking “and” at the*
 20 *end;*

21 (2) *in paragraph (14), by striking the period at*
 22 *the end and inserting “; and”; and*

23 (3) *by adding at the end the following:*

24 “(15) *carrying out research, development, test-*
 25 *ing, evaluation, and cost-benefit analyses to improve*

1 *the safety, effectiveness, and efficiency of equipment*
2 *and the effectiveness and efficiency of reference libraries*
3 *for use by Federal, State, local, Tribal, and territorial*
4 *law enforcement agencies for the accurate detection*
5 *of drugs, such as fentanyl and xylazine, including—*

7 “(A) portable equipment that can detect
8 and identify drugs with minimal or no handling
9 of the sample;

10 “(B) equipment that can separate complex
11 mixtures containing low concentrations of drugs
12 and high concentrations of cutting agents into
13 their component parts to enable signature extrac-
14 tion for field identification and detection; and

15 “(C) technologies that use machine learning
16 or artificial intelligence (as defined in section
17 5002 of the National Artificial Intelligence Ini-
18 tiative Act of 2020 (15 U.S.C. 9401)) and other
19 techniques to predict whether the substances in a
20 sample are controlled substance analogues or
21 other new psychoactive substances not yet in-
22 cluded in available reference libraries.”.

1 **SEC. 3. REQUIREMENTS.**

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 3 *rity Act of 2002, as added by section 2, the Under Secretary*
 4 *for Science and Technology shall—*

5 *(1) follow the recommendations, guidelines, and*
 6 *best practices described in the Artificial Intelligence*
 7 *Risk Management Framework (NIST AI 100–1) or*
 8 *any successor document published by the National In-*
 9 *stitute of Standards and Technology; and*

10 *(2) establish the Directorate of Science and Tech-*
 11 *nology’s research, development, testing, evaluation,*
 12 *and cost-benefit analysis priorities under such section*
 13 *302(15) based on the latest available information, in-*
 14 *cluding specific drugs identified as threats in—*

15 *(A) the latest Homeland Threat Assessment*
 16 *published by the Department of Homeland Secu-*
 17 *rity;*

18 *(B) the latest State and Territory Report on*
 19 *Enduring and Emerging Threats published by*
 20 *the Drug Enforcement Administration; or*

21 *(C) any successor documents.*

22 **SEC. 4. REPORT REGARDING FAILED ASSASSINATION AT-**
 23 **TEMPT ON THE LIFE OF DONALD J. TRUMP.**

24 *(a) IN GENERAL.—Not later than 7 days after the date*
 25 *of enactment of this Act, the Director of the United States*
 26 *Secret Service shall submit to the appropriate congressional*

1 committees a report that contains any and all information
2 in the possession of the United States Secret Service relat-
3 ing to the failed assassination attempt on the life of Donald
4 J. Trump in Butler, Pennsylvania, on July 13, 2024, in-
5 cluding—

6 (1) the identity, motive, method, and actions of
7 the shooter;

8 (2) requests for additional resources or protective
9 measures for Donald J. Trump, his campaign, his or-
10 ganization, or any entity involved in preparing for
11 the event;

12 (3) preparations for the event in Butler, Penn-
13 sylvania, by the United States Secret Service and
14 other law enforcement entities;

15 (4) response by United States Secret Service to
16 the shooter; and

17 (5) information on the ensuing investigation by
18 the Federal Bureau of Investigation and any other in-
19 vestigating agency.

20 (b) *DEFINITION.*—In this section, the term “appro-
21 priate congressional committees” means—

22 (1) the Committee on Homeland Security and
23 Governmental Affairs and the Committee on the Judi-
24 ciary of the Senate; and

1 (2) *the Committee on Oversight and Account-*
2 *ability and the Committee on the Judiciary of the*
3 *House of Representatives.*

4 **SEC. 5. RULE OF CONSTRUCTION.**

5 *Nothing in this Act may be construed to limit the au-*
6 *thority of agencies currently managing, overseeing, or other-*
7 *wise involved in drug equipment and reference libraries.*

Amend the title so as to read: “A bill to require the Science and Technology Directorate in the Department of Homeland Security to develop greater capacity to detect and identify illicit substances in very low concentrations.”.

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