

**AMENDMENT TO RULES COMMITTEE PRINT 119-**

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**OFFERED BY MR. PFLUGER OF TEXAS**

At the end of subtitle B of title XVII, insert the following:

1 **SEC. 17\_\_\_. DEPARTMENT OF DEFENSE LIDAR DATA SECURITY FRAMEWORK.**  
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3 (a) DEVELOPMENT.—Not later than 180 days after  
4 the date of the enactment of this Act, the Secretary of  
5 Defense, with the concurrence of the Secretary of Transportation, shall establish a framework to secure LiDAR  
6 data from LiDAR systems, in whole or in part originating  
7 in or from entities that are subject to the jurisdiction of  
8 any foreign adversary of the United States, in Department  
9 of Defense systems and transportation systems used by  
10 or supporting the Department of Defense. The framework  
11 shall include—  
12

13 (1) encryption standards to ensure the confidentiality and integrity of LiDAR data;

14 (2) data retention policies to reduce the risk of  
15 unauthorized access;  
16

1           (3) restrictions on data sharing or data access  
2           to mitigate exploitation by foreign adversaries of the  
3           United States;

4           (4) an identification and risk mitigation for  
5           LiDAR systems originating—in whole or in part—  
6           in countries that are foreign adversaries of the  
7           United States, including an evaluation of potential  
8           adversarial use of optical attacks to interfere with or  
9           disable LiDAR functionality.

10          (b) REPORT.—Not later than 180 days after the date  
11          of the enactment of this Act, and annually thereafter for  
12          each of the following four years, the Secretary shall submit  
13          to the appropriate congressional committees a report that  
14          includes—

15                (1) the status and progress of the implementa-  
16                tion of the framework required under subsection (a);

17                (2) an identification of threats and  
18                vulnerabilities to LiDAR data security within the  
19                Department of Defense and associated mitigation  
20                measures;

21                (3) a description of interagency efforts to ex-  
22                tend LiDAR data security measures to national  
23                transportation networks;

1           (4) a description of interagency efforts to re-  
2           strict data access and exploitation by foreign adver-  
3           saries of the United States; and

4           (5) recommendations for additional measures to  
5           enhance LiDAR data protection.

6           (c) DEFINITIONS.—In this section:

7           (1) The term “appropriate congressional com-  
8           mittees” means the congressional defense commit-  
9           tees, the Committee on Transportation and Infra-  
10          structure of the House of Representatives, and the  
11          Committee on Commerce, Science, and Transpor-  
12          tation of the Senate.

13          (2) The term “foreign adversaries of the United  
14          States” has the meaning given the term “covered  
15          nation” in section 4872 of title 10, United States  
16          Code.

17          (3) The term “LiDAR” means light detection  
18          and ranging technology.

