

112TH CONGRESS  
2D SESSION

# S. 3554

To require an independent study and report on simulated tactical flight training in a sustained gravity environment.

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IN THE SENATE OF THE UNITED STATES

SEPTEMBER 19, 2012

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

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## A BILL

To require an independent study and report on simulated tactical flight training in a sustained gravity environment.

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.**

4       This Act may be cited as the “Simulated Tactical  
5       Flight Training Study Act of 2012”.

6       **SEC. 2. REPORT ON SIMULATED TACTICAL FLIGHT TRAIN-**  
7                               **ING IN A SUSTAINED GRAVITY ENVIRON-**  
8                               **MENT.**

9       (a) **INDEPENDENT STUDY REQUIRED.**—The Sec-  
10       retary of Defense shall provide for the conduct by an ap-

1 appropriate federally funded research and development cen-  
2 ter (FFRDC) of a study on the effectiveness of simulated  
3 tactical flight training in a sustained gravity environment.

4 (b) ELEMENTS.—The study conducted pursuant to  
5 subsection (a) shall include the following:

6 (1) An assessment of the effectiveness of simu-  
7 lated tactical flight training in a sustained gravity  
8 environment generally, and, in particular, the effec-  
9 tiveness of such training in preparing pilots to with-  
10 stand and tolerate the high-gravity forces associated  
11 with the operation of high-performance combat air-  
12 craft (commonly referred to as “G readiness” and  
13 “G tolerance”).

14 (2) An assessment of the cost savings to be  
15 achieved through the use of simulated tactical flight  
16 training in a sustained gravity environment, includ-  
17 ing cost savings associated with operation and main-  
18 tenance and life cycle savings associated with air-  
19 craft and airframe usage.

20 (3) An assessment of the safety benefits to be  
21 achieved through the use of simulated tactical flight  
22 training in a sustained gravity environment.

23 (4) An identification and assessment of other  
24 benefits to be achieved through the use of simulated  
25 tactical flight training in a sustained gravity envi-

1       ronment, including benefits relating to physiological  
2       research and benefits relating to reductions in car-  
3       bon emissions.

4           (5) Such other matters relating to the use of  
5       simulated tactical flight training in a sustained grav-  
6       ity environment as the Secretary shall specify for  
7       purposes of the study.

8       (c) REPORT.—In providing for study pursuant to  
9       subsection (a), the Secretary shall require the federally  
10      funded research and development center conducting the  
11      study to submit to the Secretary a report on the results  
12      of the study, including the matters specified in subsection  
13      (b), by not later than 18 months after the date of the  
14      enactment of this Act.

15      (d) TRANSMITTAL TO CONGRESS.—Not later than 90  
16      days after the submittal to the Secretary of the report re-  
17      quired by subsection (c), the Secretary shall transmit the  
18      report to the congressional defense committees, together  
19      with any comments of the Secretary in light of the report  
20      and such recommendations for legislative or administra-  
21      tive action as the Secretary considers appropriate regard-  
22      ing the use of simulated tactical flight training in a sus-  
23      tained gravity environment in light of the report.

24      (e) CONGRESSIONAL DEFENSE COMMITTEES DE-  
25      FINED.—In this section, the term “congressional defense

1 committees” has the meaning given that term in section  
2 101(a)(16) of title 10, United States Code.

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