

118TH CONGRESS
1ST SESSION

H. R. 2561

To require the Secretary of Transportation to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine to produce a report that identifies and recommends a system of measuring aviation noise, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

APRIL 10, 2023

Mr. LYNCH introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

A BILL

To require the Secretary of Transportation to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine to produce a report that identifies and recommends a system of measuring aviation noise, 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,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Peer-Reviewed Report
5 on Measuring Metrics and Thresholds”.

1 **SEC. 2. REPORT ON SYSTEM FOR MEASURING AVIATION**
2 **NOISE.**

3 (a) IN GENERAL.—Not later than 90 days after the
4 date of enactment of this Act, the Secretary of Transpor-
5 tation shall seek to enter into an agreement with the Na-
6 tional Academies of Sciences, Engineering, and Medicine
7 in which the National Academies shall produce a report
8 that identifies and recommends a system of measuring
9 aviation noise that—

10 (1) with a highly reliable relationship, cat-
11 egorizes noise levels to determine compatibility for
12 residential areas and high annoyance areas based on
13 appropriate metrics; and

14 (2) meets the requirements of section 47502(1)
15 of title 49, United States Code.

16 (b) REQUIREMENTS.—In producing the report re-
17 quired under subsection (a), the National Academies
18 shall—

19 (1) consult—

20 (A) multidisciplinary experts from public
21 health and medical professions;

22 (B) sleep experts;

23 (C) noise experts; and

24 (D) acoustical engineers; and

25 (2) consider—

1 (A) the Neighborhood Environmental
2 Study conducted by the Federal Aviation Ad-
3 ministration;

4 (B) multiple metrics for measuring avia-
5 tion noise, including—

6 (i) N-Above;

7 (ii) T-Above;

8 (iii) Time-Above-Ambient;

9 (iv) C-weighted dB; and

10 (v) day-night average sound level be-
11 tween 40 and 75 dB;

12 (C) the difference between local noise envi-
13 ronments, including ambient noise, and air-
14 craft-induced noise;

15 (D) nighttime noise; and

16 (E) the effects of frequent and persistent
17 noise events and the effects on next generation
18 air transportation system technology; and

19 (3) address whether the metrics used to deter-
20 mine whether a change in noise levels in a next gen-
21 eration air transportation system has a significant
22 or reportable impact on such system are appropriate
23 metrics to be used in the system of measuring avia-
24 tion noise described in subsection (a).

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