

119TH CONGRESS  
2D SESSION

# S. 5333

To require the Secretary of Commerce, acting through the Assistant Secretary of Commerce for Communications and Information, to develop a plan for how the United States will advance and advocate for Wi-Fi and other unlicensed technologies, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

AUGUST 6, 2026

Ms. ROSEN (for herself and Mr. RICKETTS) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

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## A BILL

To require the Secretary of Commerce, acting through the Assistant Secretary of Commerce for Communications and Information, to develop a plan for how the United States will advance and advocate for Wi-Fi and other unlicensed technologies, 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 “Advancing American  
5       Wi-Fi Against Foreign Adversaries Act”.

6       **SEC. 2. SENSE OF CONGRESS.**

7       It is the sense of Congress that—

1           (1) the leadership of the United States with re-  
2           spect to Wi-Fi, 6G, and satellite technologies is a  
3           national priority;

4           (2) the United States is the birthplace of Wi-  
5           Fi technology and home to the world's leading devel-  
6           opers, manufacturers, and innovators with respect to  
7           unlicensed spectrum;

8           (3) Wi-Fi contributes more than  
9           \$1,000,000,000,000 annually to the economy of the  
10          United States, and is estimated to contribute  
11          \$2,400,000,000,000 in 2027, which helps to enable  
12          commercial activity, the provision of education and  
13          health care, and the maintenance of public safety;

14          (4) maintaining and advocating for a global sys-  
15          tem that supports Wi-Fi technology is essential to  
16          continuing the leadership of the United States in ad-  
17          vanced technologies and building networks of trusted  
18          telecommunications infrastructure;

19          (5) strategic and unified engagement at, and  
20          leading up to, the World Radiocommunication Con-  
21          ferences of the International Telecommunication  
22          Union is critical to—

23                 (A) advance the spectrum priorities of the  
24                 United States; and

1 (B) counter actions from adversaries that  
2 seek to upend the leadership of the United  
3 States;

4 (6) adversaries, such as the People's Republic  
5 of China, have pushed for spectrum policies at  
6 World Radiocommunication Conferences and in  
7 other fora that seek to reverse the global momentum  
8 made with respect to Wi-Fi technology, with the aim  
9 of forcing reliance on untrusted, foreign-controlled  
10 infrastructure;

11 (7) because the World Radiocommunication  
12 Conference in 2027 will be held in Shanghai, China,  
13 coordination between key Federal agencies is essen-  
14 tial to creating a unified strategy and building a co-  
15 alition of countries allied on spectrum priorities and  
16 countering adverse action by the People's Republic  
17 of China; and

18 (8) it is critical for the success of the United  
19 States at the World Radiocommunication Conference  
20 in 2027 to—

21 (A) achieve timely decisions on national  
22 technology and spectrum priorities;

23 (B) appoint a head of delegation as swiftly  
24 as possible to support the positions of the  
25 United States; and

1 (C) actively engage allies and potential al-  
2 lies to build support for the stated spectrum  
3 priorities of the United States.

4 **SEC. 3. PLAN FOR ADVANCEMENT OF UNLICENSED TECH-**  
5 **NOLOGIES.**

6 (a) DEFINITIONS.—In this section:

7 (1) APPROPRIATE CONGRESSIONAL COMMIT-  
8 TEES.—The term “appropriate congressional com-  
9 mittees” means—

10 (A) the Committee on Commerce, Science,  
11 and Transportation of the Senate;

12 (B) the Committee on Foreign Relations of  
13 the Senate;

14 (C) the Committee on Energy and Com-  
15 merce of the House of Representatives; and

16 (D) the Committee on Foreign Affairs of  
17 the House of Representatives.

18 (2) ASSISTANT SECRETARY.—The term “Assist-  
19 ant Secretary” means the Assistant Secretary of  
20 Commerce for Communications and Information.

21 (3) COMMISSION.—The term “Commission”  
22 means the Federal Communications Commission.

23 (4) PLAN.—The term “Plan” means the plan  
24 described in subsection (b).

1           (5) UNLICENSED.—The term “unlicensed”  
 2           means, with respect to technology, that the tech-  
 3           nology may be operated without an individual li-  
 4           cense, as provided in part 15 of title 47, Code of  
 5           Federal Regulations, or any successor regulations.

6           (6) WI-FI TECHNOLOGY.—The term “Wi-Fi  
 7           technology”—

8                   (A) means wireless local area networking  
 9           technology that is—

10                           (i) commonly known as “Wi-Fi”; and

11                           (ii) based on Institute of Electrical  
 12                           and Electronics Engineers standards  
 13                           802.11, or any successor standards; and

14                   (B) includes the spectrum access and regu-  
 15           latory frameworks that enable the technology  
 16           described in subparagraph (A).

17           (7) WRC–27.—The term “WRC–27” means the  
 18           International Telecommunication Union World  
 19           Radiocommunication Conference scheduled to take  
 20           place in Shanghai, China, from October 11 to No-  
 21           vember 12, 2027.

22           (b) PLAN.—

23                   (1) IN GENERAL.—Not later than 180 days  
 24           after the date of enactment of this Act, the Sec-  
 25           retary of Commerce, acting through the Assistant

1 Secretary, in coordination with the Commission, the  
2 Secretary of State, the United States Trade Rep-  
3 resentative, the Under Secretary of Commerce for  
4 International Trade, the Secretary of Defense, the  
5 Director of National Intelligence, and the heads of  
6 other relevant Federal agencies, shall develop, sub-  
7 mit to the appropriate congressional committees,  
8 and make publicly available on the website of the  
9 National Telecommunications and Information Ad-  
10 ministration a plan describing how the United States  
11 will advance, and advocate for, the global adoption  
12 of Wi-Fi technologies, unlicensed technologies, and  
13 spectrum allocations for unlicensed technologies, in-  
14 cluding at WRC-27, through, among other actions,  
15 promoting global harmonization of the band of elec-  
16 tromagnetic spectrum from 5925 megahertz to 7125  
17 megahertz for the use of Wi-Fi technologies and un-  
18 licensed technologies.

19 (2) PUBLIC INPUT.—The Assistant Secretary  
20 shall—

21 (A) seek public comment in developing the  
22 Plan; and

23 (B) consider comments received pursuant  
24 to subparagraph (A) when finalizing the Plan.

1           (3) REQUIRED CONTENTS.—The Plan shall in-  
 2       clude an assessment of, and strategies to counter, ef-  
 3       forts by the Chinese Communist Party, representa-  
 4       tives of the Government of the People’s Republic of  
 5       China, and representatives of other governments  
 6       that are adversaries of the United States to under-  
 7       mine unlicensed technologies and Wi-Fi technologies.

8       (c) REPORT ON IMPLEMENTATION.—Not later than  
 9   90 days after the date on which WRC–27 concludes, the  
 10   Assistant Secretary shall submit to the appropriate con-  
 11   gressional committees a report describing the implementa-  
 12   tion of the Plan, which shall—

13           (1) to the extent possible, include a mechanism  
 14       to track the progress of the implementation of the  
 15       Plan; and

16           (2) be submitted in an unclassified form, but  
 17       may include a classified annex.

18       (d) RULE OF CONSTRUCTION.—Nothing in this sec-  
 19   tion may be construed to require the disclosure of classi-  
 20   fied information, information that is subject to privilege,  
 21   or proprietary or trade secret information.

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