

**AMENDMENT IN THE NATURE OF A SUBSTITUTE
TO H.R. 7294
OFFERED BY MR. PFLUGER OF TEXAS**

Strike all after the enacting clause and insert the
following:

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the “AI for Secure Net-
3 works Act”.

**4 SEC. 2. ARTIFICIAL INTELLIGENCE TECHNOLOGY AND THE
5 SECURITY OF TELECOMMUNICATIONS NET-
6 WORKS.**

7 (a) STUDY.—The Secretary shall conduct a study on
8 the impacts of artificial intelligence technology with re-
9 spect to the security of telecommunications networks, in-
10 cluding emergency alerting networks and other tele-
11 communications networks used by public safety agencies,
12 which shall include an analysis of—

13 (1) how artificial intelligence technology may be
14 used to improve telecommunications networks, in-
15 cluding by facilitating—

16 (A) real-time threat and malware pre-
17 diction, prevention, detection, and response;

18 (B) zero trust security solutions;

1 (C) increased resiliency and interoper-
2 ability;

3 (D) improved energy efficiency; and

4 (E) integrated sensing and communica-
5 tions;

6 (2) how artificial intelligence technology may be
7 used in connection with Open Radio Access Network
8 technology to increase the security of telecommuni-
9 cations networks;

10 (3) how artificial intelligence technology may be
11 used in connection with virtualized security tech-
12 nology to increase the security of telecommuni-
13 cations networks;

14 (4) how artificial intelligence technology may be
15 used to improve network security controls through
16 firewalls, network segmentation, and configuration
17 management;

18 (5) how artificial intelligence technology may be
19 used to identify outdated and potentially insecure
20 equipment and software in telecommunications net-
21 works;

22 (6) how artificial intelligence technology may be
23 used to promote the security of artificial intelligence
24 tools used in telecommunications networks, including

1 through artificial intelligence model benchmarking,
2 testing, and guardrails;

3 (7) how artificial intelligence technology may be
4 used to test security and software updates in a dig-
5 ital twin of a telecommunications network to rapidly
6 and securely deploy such updates; and

7 (8) any risks artificial intelligence technology
8 poses for the security of telecommunications net-
9 works.

10 (b) CONSULTATION.—For purposes of the study con-
11 ducted under subsection (a), the Secretary shall consult
12 with the Federal Communications Commission and indus-
13 try stakeholders with respect to the use of artificial intel-
14 ligence technology to improve the security of telecommuni-
15 cations networks, including with respect to research and
16 development activities.

17 (c) REPORT.—

18 (1) IN GENERAL.—Not later than 1 year after
19 the date of the enactment of this Act, the Secretary
20 shall submit to the Committee on Energy and Com-
21 merce of the House of Representatives and the Com-
22 mittee on Commerce, Science, and Transportation of
23 the Senate a report on the results of the study con-
24 ducted under subsection (a), which may include leg-
25 islative recommendations.

1 (2) OPPORTUNITY FOR PUBLIC COMMENT.—

2 Prior to the submission of the report under para-
3 graph (1), the Secretary shall provide an oppor-
4 tunity for public comment with respect to such re-
5 port.

6 (d) SECRETARY DEFINED.—In this section, the term
7 “Secretary” means the Secretary of Commerce, acting
8 through the Assistant Secretary of Commerce for Commu-
9 nications and Information.

