

**AMENDMENT IN THE NATURE OF A SUBSTITUTE
TO H.R. 4055**

OFFERED BY _____

Strike all after the enacting clause and insert the following:

1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the “American Cybersecu-
3 rity Literacy Act”.

4 SEC. 2. SENSE OF CONGRESS.

5 It is the sense of the Congress that the United States
6 has a national security and economic interest in promoting
7 cybersecurity literacy amongst the general public.

**8 SEC. 3. ESTABLISHMENT OF CYBERSECURITY LITERACY
9 CAMPAIGN.**

10 (a) IN GENERAL.—The Assistant Secretary of Com-
11 merce for Communications and Information shall develop
12 and conduct a cybersecurity literacy campaign (which shall
13 be available in multiple languages and formats, if prac-
14 ticable) to increase the knowledge and awareness of the
15 American people of best practices to reduce cybersecurity
16 risks.

17 (b) CAMPAIGN.—To reduce cybersecurity risks, the
18 Assistant Secretary shall—

1 (1) educate the American people on how to pre-
2 vent and mitigate cybersecurity attacks by—

3 (A) instructing the American people on
4 how to identify—

5 (i) phishing emails; and

6 (ii) secure websites;

7 (B) instructing the American people on the
8 need to change default passwords on hardware
9 and software technology;

10 (C) encouraging the use of cybersecurity
11 tools, including—

12 (i) multi-factor authentication;

13 (ii) complex passwords;

14 (iii) firewalls; and

15 (iv) anti-virus software;

16 (D) identifying the devices that could pose
17 possible cybersecurity risks, including—

18 (i) personal computers;

19 (ii) smartphones;

20 (iii) tablets;

21 (iv) Wi-Fi routers;

22 (v) smart home appliances;

23 (vi) webcams;

24 (vii) internet-connected monitors; and

1 (viii) any other device that can be con-
2 nected to the internet, including mobile de-
3 vices other than smartphones and tablets;

4 (E) encouraging Americans to—

5 (i) regularly review mobile application
6 permissions;

7 (ii) decline privilege requests from mo-
8 bile applications that are unnecessary;

9 (iii) download applications only from
10 trusted vendors or sources;

11 (iv) connect internet of things devices
12 to a separate and dedicated network; and

13 (v) consider a product's life cycle and
14 the developer or manufacturer's commit-
15 ment to providing security updates during
16 a connected device's expected period of use;
17 and

18 (F) identifying the potential cybersecurity
19 risks of using publicly available Wi-Fi networks
20 and the methods a user may utilize to limit
21 such risks; and

22 (2) direct the American people to resources to
23 help mitigate the cybersecurity risks identified in
24 this subsection.

