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(Original Signature of Member)

119TH CONGRESS
2D SESSION

H. R. _____

To direct the Secretary of Defense to report on lessons the United States Armed Forces may learn from defense innovations in the Russia-Ukraine War, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. KRISHNAMOORTHY introduced the following bill; which was referred to the Committee on _____

A BILL

To direct the Secretary of Defense to report on lessons the United States Armed Forces may learn from defense innovations in the Russia-Ukraine War, 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 “Learning Effective
5 Strategies and Systems Optimization for National Secu-
6 rity from Ukraine Act” or the “LESSONS from Ukraine
7 Act”.

1 **SEC. 2. REPORT ON DEFENSE INNOVATION LESSONS FROM**
2 **RUSSIA-UKRAINE WAR.**

3 (a) REPORT.—Not later than 120 days after the date
4 of the enactment of this Act, the Secretary of Defense
5 shall submit to the appropriate congressional committees
6 a report on lessons the United States Armed Forces may
7 learn from defense innovations in the Russia-Ukraine
8 War.

9 (b) ELEMENTS.—The report under subsection (a)
10 shall include the following:

11 (1) A description of innovations in unmanned
12 aircraft systems, unmanned underwater vehicles, un-
13 manned ground vehicles, and unmanned surface ve-
14 hicles arising from the war specified in such sub-
15 section, including—

16 (A) defensive and offensive tactics involv-
17 ing such aircraft and vehicles;

18 (B) the collection of intelligence in oper-
19 ational settings using such aircraft and vehicles;

20 (C) logistics coordination for the operation
21 and maintenance of such aircraft and vehicles;
22 and

23 (D) training for members of the Armed
24 Forces relating to such aircraft and vehicles.

25 (2) A description of innovations in electronic
26 warfare, capabilities to counter unmanned aircraft

1 systems, and air defense arising from such war, in-
2 cluding implications for jamming, spoofing, and
3 layering air defense to counter unmanned aircraft
4 swarms.

5 (3) A description of the role of cyber warfare,
6 including cyber attacks on military and civilian in-
7 frastructure and systems, during such war, and how
8 such cyber warfare affected military readiness and
9 societal resilience.

10 (4) A description of innovations to bolster the
11 resilience of command, control, and communications
12 in contested environments (including environments
13 in which technologies such as GPS and satellite com-
14 munications are unavailable) arising from such war,
15 and how the United States may bolster the com-
16 mand, control, and communications resilience of the
17 United States in similarly contested environments.

18 (5) A description of methods by which Ukraine
19 has expanded the defense industrial base of Ukraine
20 in connection with such war, with a particular focus
21 on the production of unmanned aircraft and other
22 unmanned vehicles and artillery shells, and how
23 Ukraine has decentralized manufacturing associated
24 with such defense industrial base to reduce produc-

1 tion delays and decrease risks associated with the
2 enemy targeting a single producer.

3 (6) A description of the implications of the pro-
4 liferation of unmanned aircraft and other unmanned
5 vehicles in connection with such war on the surviv-
6 ability of armor and armored vehicles, and how
7 armor and armored vehicles need to adapt as a re-
8 sult of such proliferation.

9 (7) A description of how deception, decoys, tra-
10 ditional camouflage, and signature management are
11 used in connection with such war for the purpose of
12 masking asset and force movement.

13 (8) A description of lessons arising from such
14 war with respect to medical evacuations, including
15 delayed evacuations and the potential for robotic or
16 unmanned aircraft extractions in environments satu-
17 rated with unmanned aircraft.

18 (9) A plan to incorporate the innovations and
19 lessons referred to in paragraphs (1) through (8)
20 into the doctrine and training activities of the
21 United States Armed Forces, including a list of ob-
22 jectives, a timetable to meet such objectives, and jus-
23 tifications for the selected objectives and timetable.

1 (c) FORM.—The report under subsection (a) shall be
2 submitted in unclassified form, but may include a classi-
3 fied annex.

4 (d) DEFINITIONS.—In this section:

5 (1) The term “appropriate congressional com-
6 mittees” means—

7 (A) the congressional defense committees
8 (as such term is defined in section 101 of title
9 10, United States Code); and

10 (B) the Permanent Select Committee on
11 Intelligence of the House of Representatives
12 and the Select Committee on Intelligence of the
13 Senate.

14 (2) The term “unmanned aircraft system” has
15 the meaning given such term in section 130i of title
16 10, United States Code.