

AMENDMENT TO RULES
COMMITTEE PRINT 119–8
OFFERED BY MR. PANETTA OF CALIFORNIA

At the end of subtitle C of title VII, add the following new section:

1 **SEC. 7____. REPORT ON USE OF OCULOMETRIC BRAIN**
2 **HEALTH ASSESSMENT SYSTEMS FOR DE-**
3 **PARTMENT OF DEFENSE.**

4 (a) ASSESSMENT REQUIRED.—The Under Secretary
5 of Defense for Personnel and Readiness, in consultation
6 with the Surgeons General of the Armed Services, or other
7 relevant Department of Defense organizations identified
8 by the Secretary of Defense, shall conduct an assessment
9 on the use of oculometric biomarker monitoring tech-
10 nologies to support mission sets of the Department of De-
11 fense

12 (b) CONTENTS.—The assessment conducted under
13 subsection (a) shall contain each of the following elements:

14 (1) The anticipated mid- and long-term utility
15 of oculometric monitoring systems in optimizing
16 human performance and enhancing U.S. military
17 readiness and operational effectiveness.

1 (2) The ability of oculometric biomarker moni-
2 toring to detect fatigue, stress, traumatic brain in-
3 jury, substance use disorder, and post-traumatic
4 stress disorder in servicemembers, including in de-
5 ployed environments.

6 (3) The effectiveness of such systems in reduc-
7 ing operational risk and enhancing cognitive resil-
8 ience in combat and training settings.

9 (4) The role of oculometric biomarker moni-
10 toring in early detection of traumatic brain injury,
11 substance use disorder, and post-traumatic stress
12 disorder for active-duty personnel and veterans, in-
13 cluding the utility of monitoring recovery and tai-
14 loring rehabilitation plans to individual
15 servicemembers.

16 (5) Whether use of oculometric monitoring sys-
17 tems enhances mission readiness by providing real-
18 time physiological and cognitive performance feed-
19 back

20 (6) The potential of such systems to reduce
21 costly attrition and improve decision-making under
22 stress.

23 (7) Opportunities for integration with existing
24 or planned medical, training, and readiness systems
25 of the Department.

1 (8) The role of brain health monitoring tech-
2 nologies in protecting against performance degrada-
3 tion that may jeopardize mission success.

4 (9) Potential contributions of oculometric tech-
5 nologies to allied and partner nation capacity build-
6 ing.

7 (10) A review of outcomes from existing trials
8 funded by the Department of oculometric biomarker
9 monitoring technologies with the Air Force, Army,
10 and the National Aeronautics and Space Administra-
11 tion.

12 (11) Identification of any gaps in such trials re-
13 quiring further research, development, testing, and
14 evaluation.

15 (c) REPORT REQUIRED.—Not later than March 1,
16 2026, the Under Secretary of Defense for Personnel and
17 Readiness shall submit to the appropriate congressional
18 committees a report containing—

19 (1) the assessment required under subsection
20 (a); and

21 (2) recommendations on the optimal use of
22 oculometric biomarker monitoring technologies to
23 support mission sets of the Department of Defense,
24 including on—

1 (A) expansion of device deployment across
2 field units and military medical centers;

3 (B) further operational trials to benchmark
4 injury thresholds and readiness indicators; and

5 (C) integration of cognitive and neuro-
6 logical health metrics into existing health and
7 readiness reporting systems of the Department.

8 (d) FORM OF REPORT.—The report required by sub-
9 section (c) shall be submitted in an unclassified form, but
10 may include a classified annex.

