

AMENDMENT TO
RULES COMMITTEE PRINT 119-33
OFFERED BY MR. HARRIGAN OF NORTH
CAROLINA

At the end of subtitle B of title II, add the following
new section:

1 **SEC. 2. MODIFICATIONS TO JOINT ARTIFICIAL INTEL-**
2 **LIGENCE RESEARCH, DEVELOPMENT, AND**
3 **TRANSITION ACTIVITIES.**

4 (a) IN GENERAL.—Section 238 of the John S.
5 McCain National Defense Authorization Act for Fiscal
6 Year 2019 (Public Law 115-232; 10 U.S.C. 4061 note
7 prec.) is amended—

8 (1) in subsection (a)—

9 (A) by amending paragraph (1) to read as
10 follows:

11 “(1) IN GENERAL.—The Secretary of Defense
12 shall maintain within the Department of Defense a
13 set of activities, led by the Chief Digital and Artifi-
14 cial Intelligence Officer (referred to in this section as
15 the ‘CDAO’), to coordinate the efforts of the De-
16 partment to develop, mature, and transition artificial
17 intelligence technologies into operational use, and to

1 prepare the Department for the national security im-
2 plications of artificial general intelligence and other
3 forms of highly advanced artificial intelligence.”; and

4 (B) by adding at the end the following new
5 paragraph:

6 “(3) ARTIFICIAL GENERAL INTELLIGENCE PRE-
7 PAREDNESS.—The set of activities established under
8 paragraph (1) shall include a dedicated initiative (re-
9 ferred to in this section as the ‘AGI Preparedness
10 Initiative’) to—

11 “(A) study and prepare for the national se-
12 curity implications of artificial general intel-
13 ligence;

14 “(B) analyze strategic competition with the
15 People’s Republic of China and other adver-
16 saries with respect to artificial general intel-
17 ligence and highly advanced artificial intel-
18 ligence; and

19 “(C) develop countermeasures against ad-
20 versary artificial intelligence-enabled military
21 capabilities.”;

22 (2) in subsection (d)—

23 (A) in paragraph (2)—

24 (i) in subparagraph (J), by striking

25 “and” at the end;

1 (ii) in subparagraph (K), by striking
2 the period at the end and inserting a semi-
3 colon; and

4 (iii) by adding at the end the fol-
5 lowing new subparagraphs:

6 “(L) review relevant industry, scientific,
7 and classified documents describing artificial
8 general intelligence and other forms of highly
9 advanced artificial intelligence, including the
10 preparedness frameworks, scaling policies, and
11 risk management frameworks of advanced arti-
12 ficial intelligence developers;

13 “(M) develop and maintain an internal set
14 of definitions for the Department that charac-
15 terizes tiers of artificial general intelligence to
16 inform intelligence collection requirements, pro-
17 gram and procurement requirements, and na-
18 tional strategy around advanced artificial intel-
19 ligence competition, with emphasis on describ-
20 ing the capabilities of artificial intelligence sys-
21 tems with the most significant impacts for na-
22 tional security and strategic competition, in-
23 cluding chemical, biological, radiological, and
24 nuclear capabilities, advanced cyber capabilities,
25 model autonomy, strategic deception, advanced

1 research and development capabilities in mili-
2 tary domains, and advanced research and devel-
3 opment capabilities for producing increasingly
4 powerful artificial intelligence;

5 “(N) develop and conduct unclassified and
6 classified scenario exercises, wargames, tabletop
7 exercises, and other similar efforts to under-
8 stand how artificial general intelligence and ad-
9 vanced artificial intelligence capabilities could
10 present acute national security risks or crises,
11 pose risks to existing Department operational
12 plans, or create strategic opportunities for the
13 United States;

14 “(O) develop preparedness plans detailing
15 governmental response strategies to scenarios
16 described in subparagraph (N), including de-
17 tailed information describing how the Depart-
18 ment would coordinate with relevant United
19 States entities, including advanced artificial in-
20 telligence developers, compute cluster providers,
21 and relevant government officials, in the event
22 of an acute national security risk or crisis;

23 “(P) identify potential gaps in the Depart-
24 ment’s authorities, relationships, personnel, or
25 other factors that could affect the Department’s

1 ability to address scenarios described in sub-
2 paragraph (N) or execute plans described in
3 subparagraph (O);

4 “(Q) develop a detailed approach to limit
5 the proliferation of artificial general intelligence
6 and other highly advanced artificial intelligence
7 systems by defining artificial intelligence sys-
8 tems with critical capabilities that would pose a
9 grave national security threat if acquired or sto-
10 len by adversaries, reviewing and potentially
11 drawing from approaches derived from Depart-
12 ment of Energy practices for handling Re-
13 stricted Data and Formerly Restricted Data, as
14 well as approaches for handling other national
15 security information;

16 “(R) assess the value of creating a central-
17 ized, highly secure, Department-led project to
18 develop artificial general intelligence or other
19 highly advanced artificial intelligence in a se-
20 cure environment, including examination of the
21 chain-of-command, size and location of such
22 project, resources and personnel required, cyber
23 and physical security protocols, counterintel-
24 ligence and anti-espionage measures against the
25 People’s Republic of China and other foreign

1 adversaries, contingency and emergency re-
2 sponse plans, and geopolitical considerations;
3 and

4 “(S) prepare strategies to protect the
5 weights of advanced artificial intelligence sys-
6 tems, core insights required to develop or de-
7 ploy advanced artificial intelligence systems,
8 and other sensitive technical information from
9 highly resourced adversaries, including nation-
10 states.”; and

11 (B) by adding at the end the following new
12 paragraphs:

13 “(4) ADVERSARY ARTIFICIAL INTELLIGENCE
14 ANALYSIS.—

15 “(A) IN GENERAL.—The CDAO shall es-
16 tablish a dedicated analytical cell to continu-
17 ously monitor, assess, and report on the
18 progress of the People’s Republic of China and
19 other adversaries designated by the Secretary in
20 developing artificial general intelligence and ad-
21 vanced artificial intelligence capabilities for
22 military and intelligence applications.

23 “(B) DUTIES.—Such analytical cell shall—

24 “(i) coordinate with the Defense Intel-
25 ligence Agency, the National Security

1 Agency, the Central Intelligence Agency,
2 and other elements of the intelligence com-
3 munity to ensure timely access to classified
4 reporting on adversary artificial intel-
5 ligence development programs;

6 “(ii) produce, not less frequently than
7 annually, classified assessments of adver-
8 sary artificial intelligence military capabili-
9 ties, including identified applications in au-
10 tonomous weapons systems, command and
11 control, intelligence analysis, cyber oper-
12 ations, electronic warfare, and information
13 operations;

14 “(iii) develop and maintain a classi-
15 fied database of identified People’s Repub-
16 lic of China artificial intelligence military
17 programs, key personnel, institutional rela-
18 tionships, supply chain dependencies, and
19 assessed capability timelines;

20 “(iv) assess the effectiveness of exist-
21 ing United States technology control and
22 denial measures in constraining adversary
23 artificial intelligence capabilities and rec-
24 ommend modifications as needed, in co-

1 ordination with other relevant interagency
2 bodies;

3 “(v) develop specific countermeasure
4 recommendations and identify
5 vulnerabilities in adversary artificial intel-
6 ligence systems that could be exploited to
7 maintain United States military advantage;
8 and

9 “(vi) identify strategies for improving
10 strategic competition relating to advanced
11 artificial intelligence, including strategies
12 to ensure United States leadership in glob-
13 al artificial intelligence competition and
14 strategies to avoid or mitigate national se-
15 curity threats from such competition.

16 “(C) PERSONNEL.—The analytical cell re-
17 quired by this paragraph shall include personnel
18 with demonstrated expertise in People’s Repub-
19 lic of China military modernization, technical
20 artificial intelligence competence, and intel-
21 ligence analysis.

22 “(5) COUNTERMEASURE DEVELOPMENT.—The
23 CDAO shall, in coordination with the Under Sec-
24 retary of Defense for Research and Engineering and
25 the Director of the Defense Advanced Research

1 Projects Agency, develop and maintain a classified
2 program of research and development focused on
3 countermeasures against adversary artificial intel-
4 ligence-enabled military capabilities, including auton-
5 omous weapons systems, artificial intelligence-di-
6 rected cyber operations, artificial intelligence-en-
7 hanced intelligence collection, and artificial intel-
8 ligence-enabled command and control systems.

9 “(6) WORKFORCE REQUIREMENTS.—

10 “(A) IN GENERAL.—Not later than 180
11 days after the date of the enactment of this
12 paragraph, the CDAO shall develop and submit
13 to the congressional defense committees min-
14 imum qualification standards for personnel as-
15 signed to artificial general intelligence pre-
16 paredness functions under this section, includ-
17 ing requirements for technical expertise in ma-
18 chine learning, neural network architectures,
19 computational infrastructure, and artificial in-
20 telligence safety and alignment research.

21 “(B) HIRING AUTHORITY.—The CDAO
22 shall establish a competitive hiring authority,
23 consistent with section 1599f of title 10, United
24 States Code, to recruit and retain individuals
25 with demonstrated expertise in advanced artifi-

1 cial intelligence research and development from
2 private industry, academia, and national labora-
3 tories.

4 “(C) TECHNICAL STAFF.—Not less than
5 50 percent of the technical staff assigned to ar-
6 tificial general intelligence preparedness func-
7 tions under this section shall possess graduate-
8 level education or equivalent professional experi-
9 ence in artificial intelligence, machine learning,
10 computer science, or a directly related field.

11 “(D) EXCHANGE PROGRAM.—The Sec-
12 retary of Defense shall establish an exchange
13 program with leading artificial intelligence re-
14 search laboratories and companies to provide
15 personnel assigned to functions under this sec-
16 tion with rotational assignments of not less
17 than 90 days to maintain current technical ex-
18 pertise.

19 “(E) REPORT.—Not later than one year
20 after the date of the enactment of this subpara-
21 graph, and annually thereafter, the CDAO shall
22 submit to the congressional defense committees
23 a report on the status of workforce recruitment
24 and retention for functions under this section,
25 including the number of billets authorized and

1 filled, attrition rates, average tenure, and an as-
2 sessment of the competitiveness of Department
3 compensation relative to the private sector for
4 comparable artificial intelligence positions.

5 “(7) SENIOR LEADER ARTIFICIAL INTEL-
6 LIGENCE EDUCATION.—

7 “(A) IN GENERAL.—The CDAO, in coordi-
8 nation with the Chairman of the Joint Chiefs of
9 Staff, shall develop and implement an artificial
10 intelligence education program for all general
11 and flag officers, members of the Senior Execu-
12 tive Service within the Department, and com-
13 batant command staff principals.

14 “(B) ELEMENTS.—Such program shall in-
15 clude—

16 “(i) technical foundations of current
17 artificial intelligence capabilities and limi-
18 tations;

19 “(ii) the current state and projected
20 trajectory of artificial general intelligence
21 development;

22 “(iii) adversary artificial intelligence
23 military capabilities and doctrine, with em-
24 phasis on People’s Republic of China pro-
25 grams;

1 “(iv) artificial intelligence-enabled
2 operational concepts and their implications
3 for force design and employment; and

4 “(v) artificial intelligence safety,
5 alignment, and control challenges relevant
6 to military applications.

7 “(8) OPERATIONAL INTEGRATION.—The CDAO
8 shall, in coordination with the Joint Staff and the
9 combatant commands, develop a plan to integrate
10 artificial general intelligence preparedness findings
11 into joint operational planning processes, including
12 updates to contingency plans, campaign plans, and
13 global force management allocation plans, not later
14 than one year after the date of the enactment of this
15 paragraph.

16 “(9) INTERAGENCY COORDINATION ON EXPORT
17 CONTROLS AND TECHNOLOGY PROTECTION.—The
18 CDAO shall coordinate with the Bureau of Industry
19 and Security of the Department of Commerce, the
20 Committee on Foreign Investment in the United
21 States, the Department of Energy, and other rel-
22 evant interagency bodies to—

23 “(A) assess the effectiveness of technology
24 control measures in constraining adversary ac-
25 cess to artificial intelligence capabilities;

1 “(B) recommend modifications to export
2 control lists, end-use restrictions, and invest-
3 ment screening criteria as needed to address
4 emerging artificial intelligence-related threats;
5 and

6 “(C) ensure that classification guidance
7 developed under subsection (d)(2)(G) is updated
8 to address artificial general intelligence and ad-
9 vanced artificial intelligence systems.”;

10 (3) by redesignating subsections (f) and (g) as
11 subsections (g) and (h), respectively;

12 (4) by inserting after subsection (e) the fol-
13 lowing new subsection:

14 “(f) REPORTS, BRIEFINGS, AND ACCOUNTABILITY.—

15 “(1) INITIAL REPORT AND BRIEFING.—Not
16 later than 180 days after the date of the enactment
17 of this subsection, the Secretary of Defense shall—

18 “(A) submit to the Committees on Armed
19 Services of the Senate and the House of Rep-
20 resentatives a report detailing—

21 “(i) the organizational structure,
22 staffing requirements, and initial objectives
23 of the AGI Preparedness Initiative de-
24 scribed in subsection (a)(3);

1 “(ii) a comprehensive assessment of
2 the performance of the CDAO in executing
3 the duties established under this section
4 since the date of the original enactment of
5 this section, including an identification of
6 specific deficiencies in organizational struc-
7 ture, personnel qualifications, interagency
8 coordination, and operational impact; and

9 “(iii) the initial objectives and mile-
10 stones for the duties added by the amend-
11 ments to this section made by title II of
12 the National Defense Authorization Act for
13 Fiscal Year 2027; and

14 “(B) provide to such Committees a brief-
15 ing on the matters set forth in the report.

16 “(2) PERIODIC REPORTS AND BRIEFINGS.—Not
17 later than 180 days after the submission of the ini-
18 tial report under paragraph (1), and annually there-
19 after, the Secretary of Defense shall—

20 “(A) submit to the Committees on Armed
21 Services of the Senate and the House of Rep-
22 resentatives a report on the activities carried
23 out under this section since the date of the last
24 report under this paragraph, including—

1 “(i) any findings, assessments, and
2 recommendations with respect to the na-
3 tional security implications of artificial
4 general intelligence and advanced artificial
5 intelligence;

6 “(ii) the progress of the CDAO
7 against each benchmark established under
8 paragraph (3); and

9 “(iii) a classified annex containing
10 specific assessments of People’s Republic
11 of China artificial intelligence military ca-
12 pabilities, the effectiveness of current ex-
13 port control measures with respect to ad-
14 versary artificial intelligence development,
15 and identified countermeasure priorities;
16 and

17 “(B) provide to such Committees a brief-
18 ing on the matters set forth in the report.

19 “(3) PERFORMANCE METRICS AND ACCOUNT-
20 ABILITY.—

21 “(A) IN GENERAL.—Not later than 180
22 days after the date of the enactment of this
23 paragraph, the CDAO shall submit to the con-
24 gressional defense committees a set of measur-

1 able performance benchmarks and milestones
2 for each duty described in subsection (d).

3 “(B) ELEMENTS.—Each report required
4 under paragraph (2) shall include a detailed as-
5 sessment of progress against each benchmark
6 established under subparagraph (A), including
7 specific explanations for any benchmarks not
8 met and corrective actions planned.

9 “(4) POLICY RECOMMENDATIONS.—The CDAO
10 shall provide policy recommendations to the Sec-
11 retary of Defense, the President, and Congress relat-
12 ing to the national security implications of artificial
13 general intelligence and advanced artificial intel-
14 ligence, including recommendations for legislative ac-
15 tion.”; and

16 (5) by adding at the end the following new sub-
17 section:

18 “(i) ADDITIONAL DEFINITIONS.—In this section:

19 “(1) The term ‘artificial general intelligence’
20 means artificial intelligence systems that match or
21 exceed human expert performance across a wide va-
22 riety of domains, including chemical, biological, radi-
23 ological, and nuclear applications, cyber offense,
24 model autonomy, persuasion, research and develop-
25 ment, and self-improvement.

1 “(2) The term ‘CDAO’ means the Chief Digital
2 and Artificial Intelligence Officer of the Department
3 of Defense, or such successor official as the Sec-
4 retary of Defense may designate.”.

5 (b) CONFORMING AMENDMENT.—The heading of sec-
6 tion 238 of the John S. McCain National Defense Author-
7 ization Act for Fiscal Year 2019 (Public Law 115–232;
8 10 U.S.C. 4061 note prec.) is amended by striking
9 “**JOINT ARTIFICIAL INTELLIGENCE RESEARCH, DE-**
10 **VELOPMENT, AND TRANSITION ACTIVITIES**” and in-
11 serting “**DEPARTMENT OF DEFENSE ARTIFICIAL IN-**
12 **TELLIGENCE AND ARTIFICIAL GENERAL INTEL-**
13 **LIGENCE ACTIVITIES**”.

14 (c) RULE OF CONSTRUCTION.—Nothing in this sec-
15 tion or the amendments made by this section shall be con-
16 strued to limit or otherwise affect any authority of the
17 Secretary of Defense or the Chief Digital and Artificial
18 Intelligence Officer under section 238 of the John S.
19 McCain National Defense Authorization Act for Fiscal
20 Year 2019 (Public Law 115–232; 10 U.S.C. note prec.
21 4061), as in effect on the day before the date of the enact-
22 ment of this Act.

