

Accordingly (at 1 o'clock and 23 minutes p.m.), the House stood in recess.

□ 1336

AFTER RECESS

The recess having expired, the House was called to order by the Speaker pro tempore (Mr. KILDEE) at 1 o'clock and 36 minutes p.m.

WILLIAM M. (MAC) THORNBERRY NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2021

Mr. SMITH of Washington. Mr. Speaker, pursuant to House Resolution 1053, I call up the bill (H.R. 6395) to authorize appropriations for fiscal year 2021 for military activities of the Department of Defense and for military construction, to prescribe military personnel strengths for such fiscal year, and for other purposes, and ask for its immediate consideration in the House.

The Clerk read the title of the bill.

The SPEAKER pro tempore. Pursuant to House Resolution 1053, in lieu of the amendment in the nature of a substitute recommended by the Committee on Armed Services printed in the bill, an amendment in the nature of a substitute consisting of the text of Rules Committee Print 116-57, is adopted, and the bill, as amended, is considered read.

The text of the bill, as amended, is as follows:

H.R. 6395

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

(a) **SHORT TITLE.**—This Act may be cited as the “William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021”.

(b) **REFERENCES.**—Any reference in this or any other Act to the “National Defense Authorization Act for Fiscal Year 2021” shall be deemed to refer to the “William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021”.

SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF CONTENTS.

(a) **DIVISIONS.**—This Act is organized into four divisions as follows:

(1) **Division A—Department of Defense Authorizations.**

(2) **Division B—Military Construction Authorizations.**

(3) **Division C—Department of Energy National Security Authorizations and Other Authorizations.**

(4) **Division D—Funding Tables.**

(5) **Division E—National Artificial Intelligence Initiative Act of 2020.**

(b) **TABLE OF CONTENTS.**—The table of contents for this Act is as follows:

Sec. 1. Short title.

Sec. 2. Organization of Act into divisions; table of contents.

Sec. 3. Congressional defense committees.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization Of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Navy Programs

Sec. 111. Independent cost estimate of FFG(X) frigate program.

Subtitle C—Air Force Programs

Sec. 121. Modification of force structure objectives for B-1 bomber aircraft.

Sec. 122. Extension of limitation on availability of funds for retirement of RC-135 aircraft.

Sec. 123. Modification of limitation on availability of funds for retirement of E-8 JSTARS aircraft.

Sec. 124. Limitation on availability of funds for the Advanced Battle Management System pending certification relating to RQ-4 aircraft.

Sec. 125. Inventory requirements for certain air refueling tanker aircraft.

Sec. 126. Limitation on production of KC-46A aircraft.

Sec. 127. Assessment and certification relating to OC-135 aircraft.

Sec. 128. Modernization plan for airborne intelligence, surveillance, and reconnaissance.

Sec. 129. Minimum bomber aircraft force level.

Subtitle D—Defense-wide, Joint, and Multiservice Matters

Sec. 131. Documentation relating to the F-35 aircraft program.

Sec. 132. Notification on software regression testing for F-35 aircraft.

Sec. 133. Notification on efforts to replace inoperable ejection seat aircraft locator beacons.

Sec. 134. Limitation on use of funds for the Armed Overwatch Program.

TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Subtitle A—Authorization of Appropriations

Sec. 201. Authorization of appropriations.

Subtitle B—Program Requirements, Restrictions, and Limitations

Sec. 211. Modification of Science, Mathematics, and Research for Transformation (SMART) Defense Education Program.

Sec. 212. Enhanced participation of Department of Defense contractors in science, technology, engineering, and mathematics activities.

Sec. 213. Modification of requirements relating to certain cooperative research and development agreements.

Sec. 214. Pilot program on talent optimization.

Sec. 215. Codification of the National Security Innovation Network.

Sec. 216. Modification of pilot program on enhanced civics education.

Sec. 217. Modification of joint artificial intelligence research, development, and transition activities.

Sec. 218. Modification of national security innovation activities and manufacturing pilot program.

Sec. 219. Extension of pilot program for the enhancement of the research, development, test, and evaluation centers of the Department of Defense.

Sec. 220. Digital data management and analytics capability.

Sec. 221. Social science, management science, and information science research activities.

Sec. 222. Measuring and incentivizing programming proficiency.

Sec. 223. Information technology modernization and security efforts.

Sec. 224. Board of Directors for the Joint Artificial Intelligence Center.

Sec. 225. Directed Energy Working Group.

Sec. 226. Program Executive Officer for Autonomy.

Sec. 227. Accountability measures relating to the Advanced Battle Management System.

Sec. 228. Measures to address foreign talent programs.

Sec. 229. Disclosure of foreign funding sources in applications for Federal research awards.

Sec. 230. Limitations relating to large unmanned surface vessels and associated offensive weapon systems.

Sec. 231. Limitation on availability of funds pending review and report on next generation air dominance capabilities.

Subtitle C—Emerging Technology and Artificial Intelligence Matters

Sec. 241. Steering committee on emerging technology.

Sec. 242. Training for human resources personnel in artificial intelligence and related topics.

Sec. 243. Unclassified workspaces for personnel with pending security clearances.

Sec. 244. Pilot program on the use of electronic portfolios to evaluate applicants for certain technical positions.

Sec. 245. Self-directed training in artificial intelligence.

Sec. 246. Part-time and term employment of university professors and students in the Defense science and technology enterprise.

Sec. 247. Microelectronics and national security.

Sec. 248. Acquisition of ethically and responsibly developed artificial intelligence technology.

Sec. 249. Enhancement of public-private talent exchange programs in the Department of Defense.

Subtitle D—Sustainable Chemistry Research and Development

Sec. 251. Short title.

Sec. 252. Findings.

Sec. 253. National coordinating entity for sustainable chemistry.

Sec. 254. Strategic plan for sustainable chemistry.

Sec. 255. Agency activities in support of sustainable chemistry.

Sec. 256. Partnerships in sustainable chemistry.

Sec. 257. Prioritization.

Sec. 258. Rule of construction.

Sec. 259. Major multi-user research facility project.

Subtitle E—Plans, Reports, and Other Matters

Sec. 261. Modification to annual report of the Director of Operational Test and Evaluation.

Sec. 262. Repeal of quarterly updates on the Optionally Manned Fighting Vehicle program.

Sec. 263. Independent evaluation of personal protective and diagnostic testing equipment.

Sec. 264. Reports on F-35 physiological episodes and mitigation efforts.

Sec. 265. Study on mechanisms for attracting and retaining high quality talent in the national security innovation base.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

Sec. 311. Military Aviation and Installation Assurance Clearinghouse for review of mission obstructions.

Sec. 312. Military Aviation and Installation Assurance Clearinghouse for review of mission obstructions.

Sec. 313. Agreements to limit encroachments and other constraints on military training, testing, and operations.

Sec. 314. Modification of Department of Defense environmental restoration authorities to include Federal Government facilities used by National Guard.

Sec. 315. Increased transparency through reporting on usage and spills of aqueous film-forming foam at military installations.