

119TH CONGRESS  
2D SESSION

# H. R. 9880

To direct the President to accelerate the modernization of the Global Positioning System Enterprise, including the development and deployment of the Global Positioning System III generation satellites, a more secure and capable control system, and the broadcast of new signals, such as L1C and L5 to enhance the resilience and security of the Global Positioning System, and for other purposes.

---

## IN THE HOUSE OF REPRESENTATIVES

JULY 22, 2026

Mr. SHREVE (for himself, Mrs. BIGGS of South Carolina, Mr. HARIDOPOLOS, Mr. HARRIGAN, and Mr. FONG) introduced the following bill; which was referred to the Committee on Armed Services, and in addition to the Committee on Transportation and Infrastructure, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

---

## A BILL

To direct the President to accelerate the modernization of the Global Positioning System Enterprise, including the development and deployment of the Global Positioning System III generation satellites, a more secure and capable control system, and the broadcast of new signals, such as L1C and L5 to enhance the resilience and security of the Global Positioning System, 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,*

1 **SECTION 1. SHORT TITLE.**

2       This Act may be cited as the “GPS Modernization  
3 Acceleration Act”.

4 **SEC. 2. GLOBAL POSITIONING SYSTEM MODERNIZATION.**

5       (a) FINDINGS.—Congress finds the following:

6           (1) The Global Positioning System (in this sec-  
7 tion referred to as “GPS”) is a critical national  
8 asset that underpins military operations, civilian in-  
9 frastructure, and economic activities. While newer  
10 satellites are part of the constellation, the GPS con-  
11 stellations still depends on many aging satellites, 15  
12 of which are operating well beyond their design life  
13 with limited signal technologies in the older sat-  
14 ellites.

15           (2) Modernizing the GPS Enterprise is an es-  
16 sential national priority to ensure the continued reli-  
17 ability and security of the system in the face of  
18 growing threats and aging and delayed GPS infra-  
19 structure.

20           (3) Adversaries are interfering with, jamming,  
21 or spoofing GPS signals, posing risks to national de-  
22 fense and public safety. Commercial satellite posi-  
23 tioning, navigation, and timing systems can augment  
24 and complement GPS operations globally. Terrestrial  
25 systems can deliver reliable positioning, navigation,

1 and timing services across service areas that are  
2 often extensive.

3 (4) Rapidly transitioning to more resilient sys-  
4 tems like GPS IIF and declaring the L5 signal as  
5 “healty” can significantly reduce these  
6 vulnerabilities and enhance operational effectiveness.  
7 A transition plan accounting for both the satellites  
8 that transmit positioning, navigation, and timing  
9 signals and the ground control and monitoring sys-  
10 tems that command and control the constellation  
11 and update timing and other data is necessary to  
12 avoid capability gaps and ensure continuity of essen-  
13 tial services as legacy elements are phased out and  
14 new capabilities are fielded.

15 (5) Federal agency execution of delays in up-  
16 dating GPS constellation and infrastructure alloca-  
17 tion have slowed progress toward modernization, and  
18 successfully executing Space Policy Directive-7 is  
19 necessary to align efforts across the government and  
20 accelerate the deployment of next-generation GPS  
21 capabilities.

22 (b) SENSE OF CONGRESS.—It is the sense of Con-  
23 gress that modernizing the GPS is a national priority to  
24 safeguard military readiness, protect critical infrastruc-  
25 ture, and maintain economic competitiveness and the as-

1 yet unimplemented system required by section 312 of title  
2 49, United States Code, remains no less crucial to the pro-  
3 tection of United States security and prosperity than when  
4 it was mandated in 2018.

5 (c) MODERNIZED GPS ENTERPRISE.—

6 (1) IN GENERAL.—Not later than 180 days  
7 after the date of the enactment of this Act, the  
8 President shall accelerate the transition to a mod-  
9 ernized GPS Enterprise to enhance the resilience  
10 and security of the GPS.

11 (2) COMPONENTS.—The acceleration required  
12 by paragraph (1) shall include—

13 (A) a clear timeline for the development  
14 and deployment of a full constellation of 24  
15 GPS IIF satellites and associated ground con-  
16 trol segment upgrades;

17 (B) a clear timeline for the upgrade of the  
18 control segment to meet the needs of the mod-  
19 ernized constellation and to mitigate threats,  
20 along with a plan to maintain service while the  
21 upgrades progress;

22 (C) prioritization of the L5 signal for civil-  
23 ian and military applications to augment legacy  
24 frequencies and provide additional resilience;

1 (D) coordination with the Secretary of De-  
2 fense, Secretary of Transportation, and other  
3 heads of relevant departments and agencies of  
4 the Federal Government to expedite system up-  
5 grades;

6 (E) strategies developed in coordination  
7 with the Secretary of Transportation, to further  
8 incentivize critical infrastructure assets to miti-  
9 gate risks associated with GPS signal inter-  
10 ference, jamming, and spoofing, including con-  
11 sidering the integration of terrestrial and com-  
12 mercial satellite positioning, navigation, and  
13 timing systems; and

14 (F) strategies to accelerate the deployment  
15 of military GPS user equipment, Increments 1  
16 and 2, and the integration of new receivers into  
17 weapons systems.

18 (d) REPORT.—

19 (1) IN GENERAL.—Not later than 180 days  
20 after the date of the enactment of this Act, and an-  
21 nually thereafter for a period not to exceed three  
22 years, the Secretary of Defense, in coordination with  
23 the Secretary of Transportation for commercial uses  
24 and with respect to any system required under sec-  
25 tion 312 of title 49, United States Code, and the

1 protection of critical infrastructure, shall submit to  
2 the congressional defense committees, the Committee  
3 on Commerce, Science, and Transportation of the  
4 Senate, the Committee on Science, Space, and Tech-  
5 nology of the House of Representatives, and the  
6 Committee on Transportation and Infrastructure of  
7 the House of Representatives a report that in-  
8 cludes—

9 (A) a detailed assessment of progress made  
10 toward transitioning to the modernized GPS  
11 and positioning, navigation, and timing enter-  
12 prise;

13 (B) an evaluation of interagency coordina-  
14 tion efforts, including challenges in imple-  
15 menting system upgrades necessary for such  
16 modernization, except spectrum referenced in  
17 section 312(d) of title 49, United States Code,  
18 associated with LORAN infrastructure nec-  
19 essary for use in any system required in such  
20 section 312;

21 (C) a description of strategies to counter  
22 GPS military and civil signal interference, jam-  
23 ming, and spoofing, from state and non-state  
24 actors along with their effectiveness;

1 (D) funding allocations, expenditures, and  
2 any additional resource needs for the Depart-  
3 ment of Defense and Department of Transpor-  
4 tation to meet modernization objectives; and

5 (E) recommendations for legislative or ad-  
6 ministrative actions to further encourage crit-  
7 ical infrastructure upgrades, modern commer-  
8 cial satellite positioning, navigation, and timing  
9 systems, and other efforts to enhance GPS se-  
10 curity, reliability, and resilience.

11 (2) FORM.—The report required under para-  
12 graph (1) shall be submitted in an unclassified form,  
13 but may contain a classified annex.

14 (e) APPLICABILITY.—Nothing in this section with re-  
15 spect to the coordination of spectrum allocation applies to  
16 any spectrum referenced in section 312(d) of title 49,  
17 United States Code, associated with LORAN infrastruc-  
18 ture necessary for use in any system required in section  
19 312.

20 (f) CONGRESSIONAL DEFENSE COMMITTEES DE-  
21 FINED.—In this section, the term “congressional defense  
22 committees” has the meaning given such term in section  
23 101(a)(16) of title 10, United States Code.

○