

1 depend on ground-based transmitters, can provide
2 some redundancies during disruption despite being
3 more geographically limited.

4 (4) Transitioning to more resilient systems like
5 Global Positioning System III and the L5 signal can
6 significantly reduce these vulnerabilities and enhance
7 operational effectiveness. A transition plan account-
8 ing for both the satellites that transmit positioning,
9 navigation, and timing signals and the ground con-
10 trol and monitoring systems that command and con-
11 trol the constellation and update navigation data is
12 necessary to avoid capability gaps and ensure con-
13 tinuity of essential services as legacy elements are
14 phased out and new capabilities are fielded.

15 (5) Delays in updating Global Positioning Sys-
16 tem constellation and infrastructure among Federal
17 agencies have slowed progress toward modernization,
18 and a revised Space Policy Directive-7 is necessary
19 to align efforts across the government and accelerate
20 the deployment of next-generation Global Positioning
21 System capabilities.

22 (b) SENSE OF CONGRESS.—It is the sense of Con-
23 gress that modernizing the Global Positioning System is
24 a national priority to safeguard military readiness, protect
25 critical infrastructure, and maintain economic competitive-

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

5 (c) SPACE POLICY DIRECTIVE-7.—

6 (1) IN GENERAL.—Not later than 180 days
7 after the date of the enactment of this Act, the
8 President shall update Space Policy Directive-7 to
9 accelerate the transition to a modernized Global Po-
10 sitioning System Enterprise to enhance the resilience
11 and security of the Global Positioning System.

12 (2) COMPONENTS.—The update required by
13 paragraph (1) shall include—

14 (A) a clear timeline for the development
15 and deployment of GPS III satellites and asso-
16 ciated control 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 and spectrum allocation; and

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 Global Positioning
10 System signal interference, jamming, and spoof-
11 ing.

12 (d) REPORT.—

13 (1) IN GENERAL.—Not later than one year
14 after the date of the enactment of this Act, and an-
15 nually thereafter for a period not to exceed three
16 years, the National Space Council, or in the case
17 that the National Space Council is eliminated, the
18 Secretary of Defense, in coordination with the Sec-
19 retary of Transportation with respect to any system
20 required under section 312 of title 49, United States
21 Code, and the protection of critical infrastructure,
22 shall submit to the congressional defense commit-
23 tees, the Committee on Commerce, Science, and
24 Transportation of the Senate, the Committee on
25 Science, Space, and Technology of the House of

1 Representatives, and the Committee on Transpor-
2 tation and Infrastructure of the House of Represent-
3 atives a report that includes—

4 (A) a detailed assessment of progress made
5 toward transitioning to the modernized GPS en-
6 terprise;

7 (B) an evaluation of interagency coordina-
8 tion efforts, including challenges in spectrum al-
9 location and implementing system upgrades
10 necessary for such modernization, except spec-
11 trum referenced in section 312(d) of title 49,
12 United States Code, associated with LORAN
13 infrastructure necessary for use in any system
14 required in such section 312;

15 (C) a description of strategies to counter
16 Global Positioning System signal interference,
17 jamming, and spoofing, from state and non-
18 state actors along with their effectiveness;

19 (D) an update on funding allocations, ex-
20 penditures, and any additional resource needs
21 to meet modernization objectives; and

22 (E) recommendations for legislative or ad-
23 ministrative actions to further encourage crit-
24 ical infrastructure assets shifting to modern
25 systems and other efforts to enhance Global Po-

1 sitioning System security, reliability, and resil-
2 ience.

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

6 (e) APPLICABILITY.—Nothing in this section with re-
7 spect to the coordination of spectrum allocation applies to
8 any spectrum referenced in section 312(d) of title 49,
9 United States Code, associated with LORAN infrastruc-
10 ture necessary for use in any system required in section
11 312.

