

**AMENDMENT TO THE AMENDMENT IN THE
NATURE OF A SUBSTITUTE TO H.R. _____
OFFERED BY MR. FROST OF FLORIDA**

Add at the end of title IV the following:

1 **SEC. 4___. PLAN AND POLICY REVIEWS RELATING TO**
2 **SPACECRAFT CYBERSECURITY.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that the Administrator of the National Aeronautics
5 and Space Administration (NASA) should take every ac-
6 tion to ensure that robust cybersecurity measures are in
7 place to protect sensitive technology data relating to space
8 systems developed within NASA, at NASA contractors, or
9 under commercial services arrangements.

10 (b) IN GENERAL.—The Administrator shall ensure
11 that NASA’s acquisition policies and standards for space
12 systems and services—

13 (1) include guidelines and controls for man-
14 aging cybersecurity risks to such systems and serv-
15 ices, consistent with Space Policy Directive-5 on
16 “Cybersecurity Principles for Space Systems”; and

17 (2) are updated, as appropriate, to address
18 changing cybersecurity threats to such systems and
19 services.

1 (c) IMPLEMENTATION PLAN.—Not later than 270
2 days after the date of the enactment of the Act, the Ad-
3 ministrator of NASA shall complete an implementation
4 plan to update NASA’s acquisition policies and standards
5 for space systems and services, and incorporate guidelines
6 and controls required to protect against cybersecurity risk
7 and cybersecurity threats to such systems and services.
8 The Administrator shall ensure the participation and
9 input of the Chief Engineer, Chief Information Officer,
10 and the Principal Advisor for Enterprise Protection of
11 NASA in the development of such plan. Such plan shall
12 include the following:

13 (1) Milestone dates for completing such up-
14 dates.

15 (2) A process and frequency for reviewing
16 NASA’s cybersecurity policies, procedures, and con-
17 trols for spacecraft programs to address changing
18 cybersecurity risks and cybersecurity threats to such
19 systems and services.

20 (3) An estimate of the resources required for
21 carrying out the updates and reviews under para-
22 graphs (1) and (2), respectively.

23 (d) BRIEFING.—Not later than 30 days after the
24 completion of the implementation plan under subsection
25 (c), the Administrator of NASA shall brief the Committee

1 on Science, Space, and Technology of the House of Rep-
2 resentatives and the Committee on Commerce, Science,
3 and Transportation of the Senate on such plan. Such
4 briefing shall also address how such plan can inform the
5 development of a cybersecurity risk management frame-
6 work for spacecraft developed or used by NASA in pursuit
7 of its missions that encompasses end-to-end mission sys-
8 tems and operations.

