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GOE23893 LN2

S.L.C.

Paul Sullivan

AMENDMENT NO. _____ Calendar No. _____

Purpose: To provide for long term improvements of weather observation systems.

IN THE SENATE OF THE UNITED STATES—118th Cong., 1st Sess.

S. _____

To amend title 49, United States Code, to authorize appropriations for the Federal Aviation Administration for fiscal years 2024 through 2028, and for other purposes.

Referred to the Committee on _____ and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Mr. SULLIVAN

Viz:

- 1 At the appropriate place in title VI, insert the fol-
- 2 lowing:
- 3 **SEC. ____ . ASOS/AWOS SERVICE REPORT DASHBOARD.**
- 4 (a) IN GENERAL.—The applicable Administrators
- 5 shall work in collaboration to collect the real-time service
- 6 status of all automated surface observation systems/auto-
- 7 mated weather observing systems (in this section referred
- 8 to as “ASOS/AWOS”).
- 9 (b) AVAILABILITY OF RESULTS.—

1 (1) IN GENERAL.—The applicable Administra-
2 tors shall make available on a publicly available
3 internet website the following:

4 (A) The service status of all ASOS/AWOS.

5 (B) Any actions to repair or replace
6 ASOS/AWOS that are out of service due to
7 technical or weather-related events, including
8 an estimated timeline to return the systems to
9 service.

10 (C) A portal on such publicly available
11 internet website for the reporting of ASOS/
12 AWOS outages to be utilized by commercial
13 aviation, airports, and other industry interests
14 as determined by the applicable Administrators.

15 (2) DATA FILES.—The Administrators de-
16 scribed in subsection (a) shall make available the un-
17 derlying data in paragraph (1) for each ASOS/
18 AWOS in a machine-readable format.

19 (c) APPLICABLE ADMINISTRATORS.—In this section,
20 the term “applicable Administrators” means—

21 (1) the Administrator of the Federal Aviation
22 Administration; and

23 (2) the Administrator of the National Oceanic
24 and Atmospheric Administration.

1 **SEC. ____ . UPGRADING AND REPLACING AGING AIR TRAF-**
2 **FIC SYSTEMS.**

3 (a) **STUDY.—**

4 (1) **IN GENERAL.—**Pursuant to the authority of
5 authorized expenditures in section 48101(e)(1) of
6 title 49, United States Code, not later than 60 days
7 after the date of enactment of this Act, the Adminis-
8 trator shall enter into an agreement with a qualified
9 organization to conduct a study to assess the need
10 for upgrades to or replacement of existing auto-
11 mated surface observation systems/automated weath-
12 er observing systems (in this section referred to as
13 “ASOS/AWOS”).

14 (2) **CONTENTS.—**The study conducted under
15 paragraph (1) shall include an analysis of—

16 (A) the age of each ASOS/AWOS;

17 (B) the number of days in the immediate
18 preceding calendar year that each ASOS/AWOS
19 was not able to accurately communicate or dis-
20 seminate data for any period of time;

21 (C) impacts of extreme severe weather on
22 ASOS/AWOS outages;

23 (D) the effective coverage of the existing
24 ASOS/AWOS;

25 (E) detailed upgrade requirements for each
26 existing ASOS/AWOS, including an assessment

1 of whether replacement would be the most cost-
2 effective recommendation;

3 (F) prior maintenance expenditures for
4 each existing ASOS/AWOS;

5 (G) a description of all upgrades or re-
6 placements made by the FAA to ASOS/AWOS
7 prior to the date of enactment of this Act;

8 (H) impacts of an outage or break in serv-
9 ice in the FAA Telecommunications Infrastruc-
10 ture;

11 (I) any other area determined appropriate
12 by the Administrator.

13 (b) REPORT.—Not later than 18 months after the
14 date of enactment of this section, the Administrator shall
15 submit to the appropriate committees of Congress a report
16 on the study conducted under subsection (a). Such report
17 shall include—

18 (1) a plan for executing upgrades to or replace-
19 ments of existing ASOS/AWOS;

20 (2) a plan for converting and upgrading exist-
21 ing ASOS/AWOS communications to the FAA Tele-
22 communications Infrastructure;

23 (3) an assessment of the use of unmonitored
24 Navigational Aids (NAVAIDs) to allow for alternate

1 airport planning for commercial and cargo aviation
2 to limit ASOS/AWOS service disruptions;

3 (4) an evaluation of additional alternative meth-
4 ods of compliance for obtaining weather elements
5 that would be as sufficient as current data received
6 through ASOS/AWOS; and

7 (5) any other item determined appropriate by
8 the Administrator.

9 (c) APPLICATION.—The study under subsection (a)
10 and the report under subsection (b) shall only address
11 ASOS/AWOS located in non-contiguous States.