AMENDMENT TO THE PERLMUTTER AMENDMENT IN THE NATURE OF A SUBSTITUTE TO S. 141 OFFERED BY M.R. PERLMUTTER

OFFERED BY WIR. 1 CICCITO IEE
Page 2, lines 1 through 7, amend to read as follows:
1 "(2) The effects of severe space weather events
2 on the electric power grid, satellites and satellite
3 communications, services, orbits and information,
4 airline operations, astronauts living and working in
5 space, and space based position, navigation, and tim-
6 ing systems could have significant societal, economic,
7 national security, and health impacts.
Page 2, after line 7, insert the following (and make such conforming changes as may be necessary):
8 "(3) Space weather observation and forecasting
9 are essential for the success of deep space explo-
10 ration.
Page 11, lines 10 through 12, amend to read as fol-
lows:
44

12 tion through specific research and development ac-

- 1 tivities to improve operational space weather fore-
- 2 casting;

Page 11, lines 22 through 24, amend to read as follows:

- 3 "(6) include a formal mechanism to share oper-
- 4 ational needs of space weather forecasters with Fed-
- 5 eral agencies engaged in space weather research and
- 6 development activities, the academic community, and
- 7 the commercial sector; and

Page 12, lines 12 and 13, amend to read as follows:

- 8 "(3) considers the National Academy of
- 9 Sciences, Engineering, and Medicine's decadal sur-
- vey recommendations;

Page 13, after line 24, insert the following:

- 11 "(d) REVALUATION OF CONTENT.—Not later than
- 12 one year after the date on which each Presidential term
- 13 begins, as well as when determined to be necessary by the
- 14 Chair of the National Space Council during the inter-
- 15 vening years, the applicable entities shall review and as-
- 16 sess the content previously developed under this section
- 17 and update and resubmit such content when appropriate.

Page 19, lines 1 through 3, amend to read as follows:

1	"(3) NOAA DATA.—The Secretary shall work
2	with the academic community to make space weath-
3	er related data obtained from operational forecasting
4	available for scientific research.

Page 19, lines 4 through 10, amend to read as follows:

- 5 "(e) Research for Improved Space Weather
- 6 Forecasting.—The Secretary, the Director of the Na-
- 7 tional Science Foundation, and the Administrator of the
- 8 National Aeronautics and Space Administration shall sup-
- 9 port basic and applied research which could improve space
- 10 weather forecasting lead time and accuracy.

