

AMENDMENT TO RULES COMM. PRINT 118-10

OFFERED BY M .

Add at the end of subtitle C of title XVIII the following:

1 **SEC. 1859. CRITICAL CYBERINFRASTRUCTURE AND COM-**
2 **MUNICATIONS CAPABILITIES OF THE ACA-**
3 **DEMIC RESEARCH FLEET.**

4 (a) IN GENERAL.—Subject to the availability of ap-
5 propriations, the Director of the National Science Founda-
6 tion shall allocate to the Academic Research Fleet funding
7 to ensure the vessels of such Fleet have the critical
8 cyberinfrastructure and communications capabilities nec-
9 essary to conduct research.

10 (b) ACTIVITIES.—Funding allocated pursuant to sub-
11 section (a) shall be used for the following:

12 (1) Hiring personnel with expertise in com-
13 puting, network engineering, or cybersecurity.

14 (2) Ongoing training, support, and logistics,

15 (3) Acquisition of satellite communications
16 equipment, bandwidth, or software licensing.

17 (4) Acquisition of appropriate or necessary
18 equipment, including high performance computing

1 clusters shipboard and shoreside, and enterprise
2 hardware to reliably link such clusters.

3 (5) Satisfying additional requirements, as ap-
4 propriate, that may develop as associated technology
5 and research mission evolve.

6 (c) REPORT.—Not later than 180 days after the date
7 of the enactment of this Act, the Director of the National
8 Science Foundation, in coordination with the academic
9 partners that manage vessels of the Academic Research
10 Fleet, shall submit to the Committee on Science, Space,
11 and Technology of the House of Representatives and the
12 Committee on Commerce, Science, and Transportation of
13 the Senate a report of the Foundation's plans to address
14 the critical cybersecurity and communications needs of the
15 Academic Research Fleet. Such report shall include the
16 following:

17 (1) An assessment of the costs necessary to
18 provide the 18 vessels of such Fleet with
19 cyberinfrastructure and communications capabilities,
20 including information technology and operational
21 technology infrastructure and capabilities, necessary
22 for such vessels to be fully operational and secure.

23 (2) An assessment of the time required to en-
24 sure such vessels are so fully operational and secure.

1 (3) A plan to incorporate in the annual budget
2 request of the Foundation the funding allocation de-
3 scribed in such subsection.

4 (4) A plan to ensure that funding necessary to
5 ensure satisfying the needs associated with such in-
6 frastructure and capabilities is incorporated into fu-
7 ture planning for such Fleet and included in future
8 budget requests of the Foundation.

