

**AMENDMENT TO RULES COMM. PRINT 119–8**

**OFFERED BY MR. NEGUSE OF COLORADO**

Add at the end of division E the following:

1 **TITLE LII—MATTERS RELATING**  
2 **TO SPACE**

3 **SEC. 5201. DEFINITIONS.**

4 In this title:

5 (1) ACTIVE DEBRIS REMEDIATION.—The term  
6 “active debris remediation”—

7 (A) means the deliberate process of facili-  
8 tating the de-orbit, repurposing, or other dis-  
9 posal of orbital debris, which may include mov-  
10 ing orbital debris to a safe position, using an  
11 object or technique that is external or internal  
12 to the orbital debris; and

13 (B) does not include de-orbit, repurposing,  
14 or other disposal of orbital debris by passive  
15 means.

16 (2) ADMINISTRATOR.—The term “Adminis-  
17 trator” means the Administrator of the National  
18 Aeronautics and Space Administration.

1           (3) APPROPRIATE COMMITTEES OF CON-  
2       GRESS.—The term “appropriate committees of Con-  
3       gress” means—

4           (A) the Committee on Appropriations, the  
5       Committee on Commerce, Science, and Trans-  
6       portation, the Committee on Foreign Relations,  
7       and the Committee on Armed Services of the  
8       Senate; and

9           (B) the Committee on Appropriations, the  
10      Committee on Science, Space, and Technology,  
11      the Committee on Foreign Affairs, and the  
12      Committee on Armed Services of the House of  
13      Representatives.

14          (4) DEMONSTRATION PROJECT.—The term  
15      “demonstration project” means the active orbital de-  
16      bris remediation demonstration project carried out  
17      under section 4(b).

18          (5) ELIGIBLE ENTITY.—The term “eligible enti-  
19      ty” means—

20           (A) a United States-based—

21               (i) non-Federal, commercial entity;

22               (ii) institution of higher education (as  
23      defined in section 101(a) of the Higher  
24      Education Act of 1965 (20 U.S.C.  
25      1001(a))); or

1 (iii) nonprofit organization;

2 (B) any other United States-based entity  
3 the Administrator considers appropriate; and

4 (C) a partnership of entities described in  
5 subparagraphs (A) and (B).

6 (6) ORBITAL DEBRIS.—The term “orbital de-  
7bris” means any human-made space object orbiting  
8 Earth that—

9 (A) no longer serves an intended purpose;

10 and

11 (B)(i) has reached the end of its mission;

12 or

13 (ii) is incapable of safe maneuver or  
14 operation.

15 (7) PROJECT.—The term “project” means a  
16 specific investment with defined requirements, a life-  
17 cycle cost, a period of duration with a beginning and  
18 an end, and a management structure that may inter-  
19 face with other projects, agencies, and international  
20 partners to yield new or revised technologies ad-  
21 dressing strategic goals.

22 (8) SECRETARY.—The term “Secretary” means  
23 the Secretary of Commerce.

24 (9) SPACE TRAFFIC COORDINATION.—The term  
25 “space traffic coordination” means the planning, co-

1 ordination, and on-orbit synchronization of activities  
2 to enhance the safety and sustainability of oper-  
3 ations in the space environment.

4 **SEC. 5202. ACTIVE DEBRIS REMEDIATION.**

5 (a) PRIORITIZATION OF ORBITAL DEBRIS.—

6 (1) LIST.—Not later than 90 days after the  
7 date of the enactment of this Act, the Secretary, in  
8 consultation with the Administrator, the Secretary  
9 of Defense, the Secretary of State, the National  
10 Space Council, and representatives of the commer-  
11 cial space industry, academia, and nonprofit organi-  
12 zations, shall publish a list of select identified orbital  
13 debris that may be remediated to improve the safety  
14 and sustainability of orbiting satellites and on-orbit  
15 activities.

16 (2) CONTENTS.—The list required under para-  
17 graph (1)—

18 (A) shall be developed using appropriate  
19 sources of data and information derived from  
20 governmental and nongovernmental sources, in-  
21 cluding space situational awareness data ob-  
22 tained by the Office of Space Commerce, to the  
23 extent practicable;

24 (B) shall include, to the extent prac-  
25 ticable—

1 (i) a description of the approximate  
2 age, location in orbit, size, mass, tumbling  
3 state, post-mission passivation actions  
4 taken, and national jurisdiction of each or-  
5 bital debris identified; and

6 (ii) data required to inform decisions  
7 regarding potential risk and feasibility of  
8 safe remediation;

9 (C) may include orbital debris that poses a  
10 significant risk to terrestrial people and assets,  
11 including risk resulting from potential environ-  
12 mental impacts from the uncontrolled reentry of  
13 the orbital debris identified; and

14 (D) may include collections of small debris  
15 that, as of the date of the enactment of this  
16 Act, are untracked.

17 (3) PUBLIC AVAILABILITY; PERIODIC UP-  
18 DATES.—

19 (A) IN GENERAL.—Subject to subpara-  
20 graph (B), the list required under paragraph  
21 (1) shall be published in unclassified form on a  
22 publicly accessible internet website of the De-  
23 partment of Commerce.

24 (B) EXCLUSION.—The Secretary may not  
25 include on the list published under subpara-

1 graph (A) data acquired from nonpublic  
2 sources.

3 (C) PERIODIC UPDATES.—Such list shall  
4 be updated periodically.

5 (4) ACQUISITION, ACCESS, USE, AND HANDLING  
6 OF DATA OR INFORMATION.—In carrying out the ac-  
7 tivities under this subsection, the Secretary—

8 (A) shall acquire, access, use, and handle  
9 data or information in a manner consistent with  
10 applicable provisions of law and policy, includ-  
11 ing laws and policies providing for the protec-  
12 tion of privacy and civil liberties, and subject to  
13 any restrictions required by the source of the  
14 information;

15 (B) shall have access, upon written re-  
16 quest, to all information, data, or reports of any  
17 executive agency that the Secretary determines  
18 necessary to carry out the activities under this  
19 subsection, provided that such access is—

20 (i) conducted in a manner consistent  
21 with applicable provisions of law and policy  
22 of the originating agency, including laws  
23 and policies providing for the protection of  
24 privacy and civil liberties; and

1 (ii) consistent with due regard for the  
2 protection from unauthorized disclosure of  
3 classified information relating to sensitive  
4 intelligence sources and methods or other  
5 exceptionally sensitive matters; and

6 (C) may obtain commercially available in-  
7 formation that may not be publicly available.

8 (b) ACTIVE ORBITAL DEBRIS REMEDIATION DEM-  
9 ONSTRATION PROJECT.—

10 (1) ESTABLISHMENT.—Not later than 180 days  
11 after the date of the enactment of this Act, subject  
12 to the availability of appropriations, the Adminis-  
13 trator, in consultation with the head of each relevant  
14 Federal department or agency, shall establish a dem-  
15 onstration project to make competitive awards for  
16 the research, development, and demonstration of  
17 technologies leading to the remediation of selected  
18 orbital debris identified under subsection (a)(1).

19 (2) PURPOSE.—The purpose of the demonstra-  
20 tion project shall be to enable eligible entities to pur-  
21 sue the phased development and demonstration of  
22 technologies and processes required for active debris  
23 remediation.

1           (3) PROCEDURES AND CRITERIA.—In estab-  
2       lishing the demonstration project, the Administrator  
3       shall—

4           (A) establish—

5               (i) eligibility criteria for participation;

6               (ii) a process for soliciting proposals  
7       from eligible entities;

8               (iii) criteria for the contents of such  
9       proposals;

10              (iv) project compliance and evaluation  
11       metrics; and

12              (v) project phases and milestones;

13           (B) identify government-furnished data or  
14       equipment;

15           (C) develop a plan for National Aero-  
16       nautics and Space Administration participation,  
17       as appropriate, in technology development and  
18       intellectual property rights that—

19               (i) leverages National Aeronautics and  
20       Space Administration Centers that have  
21       demonstrated expertise and historical  
22       knowledge in measuring, modeling, charac-  
23       terizing, and describing the current and fu-  
24       ture orbital debris environment; and



1 (ii) develops the technical consensus  
2 for adopting mitigation measures for such  
3 participation; and

4 (D)(i) assign a project manager to oversee  
5 the demonstration project and carry out project  
6 activities under this subsection; and

7 (ii) in assigning such project manager,  
8 leverage National Aeronautics and Space  
9 Administration Centers and the personnel  
10 of National Aeronautics and Space Admin-  
11 istration Centers, as practicable.

12 (4) RESEARCH AND DEVELOPMENT PHASE.—

13 With respect to orbital debris identified under para-  
14 graph (1) of subsection (a), the Administrator shall,  
15 to the extent practicable and subject to the avail-  
16 ability of appropriations, carry out the additional re-  
17 search and development activities necessary to ma-  
18 ture technologies, in partnership with eligible enti-  
19 ties, with the intent to close commercial capability  
20 gaps and enable potential future remediation mis-  
21 sions for such orbital debris, with a preference for  
22 technologies that are capable of remediating orbital  
23 debris that have a broad range of characteristics de-  
24 scribed in paragraph (2)(B)(i) of that subsection.

25 (5) DEMONSTRATION MISSION PHASE.—

1 (A) IN GENERAL.—The Administrator  
2 shall evaluate proposals for a demonstration  
3 mission, and select and enter into a partnership  
4 with an eligible entity, subject to the availability  
5 of appropriations, with the intent to dem-  
6 onstrate technologies determined by the Admin-  
7 istrator to meet a level of technology readiness  
8 sufficient to carry out on-orbit remediation of  
9 select orbital debris.

10 (B) EVALUATION.—In evaluating pro-  
11 posals for the demonstration project, the Ad-  
12 ministrator shall—

13 (i) consider the safety, feasibility,  
14 cost, benefit, and maturity of the proposed  
15 technology;

16 (ii) consider the potential for the pro-  
17 posed demonstration to successfully reme-  
18 diate orbital debris and to advance the  
19 commercial state of the art with respect to  
20 active debris remediation;

21 (iii) carry out a risk analysis of the  
22 proposed technology that takes into consid-  
23 eration the potential casualty risk to hu-  
24 mans in space or on the Earth's surface;

1 (iv) in an appropriate setting, conduct  
2 thorough testing and evaluation of the pro-  
3 posed technology and each component of  
4 such technology or system of technologies;  
5 and

6 (v) consider the technical and finan-  
7 cial feasibility of using the proposed tech-  
8 nology to conduct multiple remediation  
9 missions.

10 (C) CONSULTATION.—The Administrator  
11 shall consult with the head of each relevant  
12 Federal department or agency before carrying  
13 out any demonstration mission under this para-  
14 graph.

15 (D) ACTIVE DEBRIS REMEDIATION DEM-  
16 ONSTRATION MISSION.—It is the sense of Con-  
17 gress that the Administrator should consider  
18 maximizing competition for, and use best prac-  
19 tices to engage commercial entities in, an active  
20 debris remediation demonstration mission.

21 (6) BRIEFING AND REPORTS.—

22 (A) INITIAL BRIEFING.—Not later than 30  
23 days after the establishment of the demonstra-  
24 tion project under paragraph (1), the Adminis-  
25 trator shall provide to the appropriate commit-

1           tees of Congress a briefing on the details of the  
2           demonstration project.

3           (B) ANNUAL REPORT.—Not later than 1  
4           year after the initial briefing under subpara-  
5           graph (A), and annually thereafter until the  
6           conclusion of the 1 or more demonstration mis-  
7           sions, the Administrator shall submit to the ap-  
8           propriate committees of Congress a status re-  
9           port on—

10                   (i) the technology developed under the  
11                   demonstration project;

12                   (ii) progress toward the accomplish-  
13                   ment of the 1 or more demonstration mis-  
14                   sions; and

15                   (iii) any duplicative efforts carried out  
16                   or supported by the National Aeronautics  
17                   and Space Administration or the Depart-  
18                   ment of Defense.

19           (C) RECOMMENDATIONS.—Not later than  
20           1 year after the date on which the first dem-  
21           onstration mission is carried out under this  
22           subsection, the Administrator, in consultation  
23           with the head of each relevant Federal depart-  
24           ment or agency, shall submit to Congress a re-  
25           port that provides legislative, regulatory, and

1 policy recommendations to improve active debris  
2 remediation missions, as applicable.

3 (D) TECHNICAL ANALYSIS.—

4 (i) IN GENERAL.—To inform decisions  
5 regarding the acquisition of active debris  
6 remediation services by the Federal Gov-  
7 ernment, not later than 1 year after the  
8 date on which an award is made under  
9 paragraph (1), the Administrator shall  
10 submit to Congress a report that—

11 (I) summarizes the cost-effective-  
12 ness, and provides a technical analysis  
13 of, technologies developed under the  
14 demonstration project;

15 (II) identifies any technology  
16 gaps addressed by the demonstration  
17 project and any remaining technology  
18 gaps; and

19 (III) provides, as applicable, any  
20 further legislative, regulatory, and  
21 policy recommendations to enable ac-  
22 tive debris remediation missions.

23 (ii) AVAILABILITY.—The Administra-  
24 tion shall make the report submitted under  
25 clause (i) available to the Secretary, the

1 Secretary of Defense, and other relevant  
2 Federal departments and agencies, as de-  
3 termined by the Administrator.

4 (7) SENSE OF CONGRESS ON INTERNATIONAL  
5 COOPERATION.—It is the sense of Congress that, in  
6 carrying out the demonstration project, it is critical  
7 that the Administrator, in coordination with the Sec-  
8 retary of State and in consultation with the National  
9 Space Council, cooperate with one or more partner  
10 countries to enable the remediation of orbital debris  
11 that is under their respective jurisdictions.

12 (c) AUTHORIZATION OF APPROPRIATIONS.—There is  
13 authorized to be appropriated to the Administrator to  
14 carry out this section \$150,000,000 for the period of fiscal  
15 years 2026 through 2030.

16 (d) RESCISSION OF UNOBLIGATED FUNDS.—Unobli-  
17 gated balances of amounts appropriated or otherwise  
18 made available by subsection (c) as of September 30,  
19 2030, shall be rescinded not later than December 31,  
20 2030.

21 (e) RULE OF CONSTRUCTION.—Nothing in this sec-  
22 tion may be construed to grant the Administrator the au-  
23 thority to issue any regulation relating to activities under  
24 subsection (b) or related space activities under title 51,  
25 United States Code.

1   **SEC. 5203. ACTIVE DEBRIS REMEDIATION SERVICES.**

2           (a) IN GENERAL.—To foster the competitive develop-  
3   ment, operation, improvement, and commercial availability  
4   of active debris remediation services, and in consideration  
5   of the economic analysis required by subsection (b) and  
6   the briefing and reports under section 4(b)(6), the Admin-  
7   istrator and the head of each relevant Federal department  
8   or agency may acquire services for the remediation of or-  
9   bital debris, whenever practicable, through fair and open  
10  competition for contracts that are well-defined, milestone-  
11  based, and in accordance with the Federal Acquisition  
12  Regulation.

13          (b) ECONOMIC ANALYSIS.—Based on the results of  
14  the demonstration project, the Secretary, acting through  
15  the Office of Space Commerce, shall publish an assess-  
16  ment of the estimated Federal Government and private  
17  sector demand for orbital debris remediation services for  
18  the 10-year period beginning in 2026.

19   **SEC. 5204. UNIFORM ORBITAL DEBRIS STANDARD PRAC-**  
20                           **TICES FOR UNITED STATES SPACE ACTIVI-**  
21                           **TIES.**

22          (a) IN GENERAL.—Not later than 90 days after the  
23  date of the enactment of this Act, the National Space  
24  Council, in coordination with the Secretary, the Adminis-  
25  trator of the Federal Aviation Administration, the Sec-  
26  retary of Defense, the Secretary of State, the Federal

1 Communications Commission, and the Administrator,  
2 shall initiate an update to the Orbital Debris Mitigation  
3 Standard Practices that—

4 (1) considers planned space systems, including  
5 satellite constellations; and

6 (2) addresses—

7 (A) collision risk;

8 (B) explosion risk;

9 (C) casualty probability;

10 (D) post-mission disposal of space systems;

11 (E) time to disposal or de-orbit;

12 (F) spacecraft collision avoidance and  
13 automated identification capability; and

14 (G) the ability to track orbital debris of de-  
15 creasing size.

16 (b) CONSULTATION.—In developing the update under  
17 subsection (a), the National Space Council, or a designee  
18 of the National Space Council, shall seek advice and input  
19 on commercial standards and best practices from rep-  
20 resentatives of the commercial space industry, academia,  
21 and nonprofit organizations, including through workshops  
22 and, as appropriate, advance public notice and comment  
23 processes under chapter 5 of title 5, United States Code.

24 (c) PUBLICATION.—Not later than 1 year after the  
25 date of the enactment of this Act, such update shall be



1 published in the Federal Register and posted to the rel-  
2 evant Federal Government internet websites.

3 (d) REGULATIONS.—To promote uniformity and  
4 avoid duplication in the regulation of space activity, in-  
5 cluding licensing by the Federal Aviation Administration,  
6 the National Oceanic and Atmospheric Administration,  
7 and the Federal Communications Commission, such up-  
8 date, after publication, shall be used to inform the further  
9 development and promulgation of Federal regulations re-  
10 lating to orbital debris.

11 (e) INTERNATIONAL PROMOTION.—To encourage ef-  
12 fective and nondiscriminatory standards, best practices,  
13 rules, and regulations implemented by other countries,  
14 such update shall inform bilateral and multilateral discus-  
15 sions focused on the authorization and continuing super-  
16 vision of nongovernmental space activities.

17 (f) PERIODIC REVIEW.—Not less frequently than  
18 every 5 years, the Orbital Debris Mitigation Standard  
19 Practices referred to in subsection (a) shall be assessed  
20 and, if necessary, updated, used, and promulgated in a  
21 manner consistent with this section.

22 **SEC. 5205. STANDARD PRACTICES FOR SPACE TRAFFIC CO-**  
23 **ORDINATION.**

24 (a) IN GENERAL.—The Secretary, in coordination  
25 with the Secretary of Defense and members of the Na-

1 tional Space Council and the Federal Communications  
2 Commission, shall facilitate the development of standard  
3 practices for on-orbit space traffic coordination based on  
4 existing guidelines and best practices used by Government  
5 and commercial space industry operators.

6 (b) CONSULTATION.—In facilitating the development  
7 of standard practices under subsection (a), the Secretary,  
8 through the Office of Space Commerce, in consultation  
9 with the National Institute of Standards and Technology,  
10 shall engage in frequent and routine consultation with rep-  
11 resentatives of the commercial space industry, academia,  
12 and nonprofit organizations.

13 (c) PROMOTION OF STANDARD PRACTICES.—On  
14 completion of such standard practices, the Secretary, the  
15 Secretary of State, the Secretary of Transportation, the  
16 Administrator, and the Secretary of Defense shall promote  
17 the adoption and use of the standard practices for domes-  
18 tic and international space missions.

