

AMENDMENT TO THE RULES COMMITTEE PRINT

119–8

OFFERED BY MR. MOYLAN OF GUAM

At the appropriate place in subtitle C of title XXVIII, insert the following:

1 **SEC. 28____. ELIMINATION OF INDOOR RESIDENTIAL MOLD**

2 **IN HOUSING OF DEPARTMENT OF DEFENSE.**

3 (a) STUDY AND REPORT ON HEALTH IMPACTS OF
4 INDOOR RESIDENTIAL MOLD.—

5 (1) STUDY.—

6 (A) IN GENERAL.—As soon as practicable
7 after the date of the enactment of this Act, the
8 Secretary of Defense, in consultation with the
9 Assistant Secretary of Defense for Health Af-
10 fairs, the Secretary of Housing and Urban De-
11 velopment, the Director of the Centers for Dis-
12 ease Control and Prevention, the Administrator
13 of the Environmental Protection Agency, the
14 Secretary of Energy, the Secretary of Health
15 and Human Services, the President of the Na-
16 tional Academy of Sciences, and the Chair of
17 the board of directors of the National Institute
18 of Building Sciences shall conduct a comprehen-

1 sive study on the health effects of indoor resi-
2 dential mold growth in military unaccompanied
3 housing or other housing on military installa-
4 tions, using the most up-to-date scientific peer-
5 reviewed medical literature.

6 (B) ELEMENTS.—The study conducted
7 under subparagraph (A) shall ascertain—

8 (i) detailed information about harmful
9 or toxigenic mold that may impact the
10 military departments and individuals living
11 on military installations, as well as any
12 toxin or toxic compound such mold can
13 produce;

14 (ii) the most accurate research-based
15 methods of detecting harmful or toxigenic
16 mold;

17 (iii) potential dangers of prolonged or
18 chronic exposure to indoor residential mold
19 growth in residential areas on military in-
20 stallations;

21 (iv) the hazards involved with inad-
22 equately mold inspections on military instal-
23 lations and improper indoor residential
24 mold remediation in military unaccom-
25 panied housing;

1 (v) the estimated current public
2 health burden of new or exacerbated phys-
3 ical illness resulting from exposure to in-
4 door residential mold and the effect of
5 such exposure on the military departments
6 and quality of life for members of the
7 Armed Forces, including with respect to
8 readiness of the Armed Forces and the im-
9 pact on children in military families;

10 (vi) improved understanding of the
11 different health symptomology that can re-
12 sult from exposure to mold in indoor resi-
13 dential environments on military installa-
14 tions, including military unaccompanied
15 housing;

16 (vii) ongoing surveillance of the preva-
17 lence of idiopathic pulmonary hemorrhage
18 in infants living on military installations;
19 and

20 (viii) longitudinal studies on the ef-
21 fects of indoor mold exposure in early
22 childhood on the development of asthma
23 and other respiratory illnesses of children
24 living on military installations.

25 (2) REPORT.—

1 (A) IN GENERAL.—Not later than three
2 years after the date of the enactment of this
3 Act, the Secretary of Defense shall submit to
4 Congress and the President a report that con-
5 tains the results of the study conducted under
6 paragraph (1).

7 (B) FORM.—The report required by sub-
8 paragraph (A) shall be submitted in unclassi-
9 fied form, but may include a classified index.

10 (b) HEALTH, SAFETY, AND HABITABILITY STAND-
11 ARDS AND MODEL STANDARDS.—

12 (1) MODEL STANDARDS FOR PREVENTING, DE-
13 TECTING, AND REMEDIATING INDOOR RESIDENTIAL
14 MOLD GROWTH.—Based on the results of the inter-
15 agency health study conducted under subsection (a),
16 the Secretary of Defense, in consultation with the
17 Administrator of the Environmental Protection
18 Agency, the Secretary of Housing and Urban Devel-
19 opment, the Director of the Centers for Disease
20 Control and Prevention, the Assistant Secretary of
21 Labor for Occupational Safety and Health, the Sec-
22 retary of Energy, the Executive Director of the Na-
23 tional Institute of Building Sciences, and the Presi-
24 dent of the National Academy of Sciences shall, in
25 accordance with section 12(d) of the National Tech-

1 nology Transfer and Advancement Act of 1995
2 (Public Law 104–113; 15 U.S.C. 272 note), jointly
3 issue model health, safety, and habitability stand-
4 ards for preventing, detecting, and remediating in-
5 door residential mold growth on military installa-
6 tions, including—

7 (A) model residential mold inspection
8 standards for military unaccompanied housing;

9 (B) model indoor residential mold remedi-
10 ation standards for military installations;

11 (C) standards for testing the toxicity of in-
12 door residential mold and any toxin or toxic
13 compound produced by indoor residential mold
14 on military installations;

15 (D) health and safety standards for the
16 protection of those inspecting for and remedi-
17 ating mold in housing on military installations;

18 (E) standards for indoor residential mold
19 testing labs that serve military installations;

20 (F) model ventilation standards for the de-
21 sign, installation, and maintenance of air ven-
22 tilation or air-conditioning systems in housing
23 on military installations to prevent indoor resi-
24 dential mold growth or the creation of condi-

1 tions that foster indoor mold growth in housing
2 on military installations; and

3 (G) model building code standards for
4 housing on military installations to control
5 moisture and prevent mold growth.

6 (2) CONSULTATION.—To the maximum extent
7 possible, model standards issued under paragraph
8 (1) shall be developed with the assistance of—

9 (A) organizations that develop mold and
10 water damage standards and work with military
11 installations;

12 (B) organizations involved in establishing
13 national building construction standards and
14 work with military installations;

15 (C) organizations involved in improving in-
16 door air quality;

17 (D) public health advocates that serve the
18 military community; and

19 (E) health and medical professionals that
20 serve members of the Armed Forces and their
21 families, including practitioners that care for
22 children of members of the Armed Forces.

23 (3) RESILIENCY.—Model standards issued
24 under paragraph (1) shall take into account geo-
25 graphic diversity, propensity for extreme weather or

1 flooding, and other resiliency metrics impacting mili-
2 tary housing.

3 (4) DEADLINES.—

4 (A) PUBLIC REVIEW AND COMMENT.—The
5 officials identified in paragraph (1) shall make
6 draft standards issued under such paragraph
7 available for public review and comment not
8 later than 90 days prior to publication of the
9 final standards pursuant to subparagraph (B).

10 (B) PUBLICATION.—Not later than three
11 years after the date on which the results of the
12 study conducted under subsection (a) are sub-
13 mitted to Congress in accordance with such
14 subsection, the officials identified in paragraph
15 (1) shall issue, and make available to the pub-
16 lic, final standards under this subsection.

17 (5) REVIEW AND UPDATES.—The officials iden-
18 tified in paragraph (1) shall—

19 (A) review the model standards issued
20 under this subsection not less frequently than
21 once every five years based on the latest sci-
22 entific advances and published studies relating
23 to indoor residential mold growth; and

24 (B) update such standards as necessary to
25 preserve and improve the quality of housing on

1 military installations and prevent the displace-
2 ment of those currently living on military instal-
3 lations.

4 (c) CONSTRUCTION REQUIREMENTS FOR NEW HOUS-
5 ING ON MILITARY INSTALLATIONS.—

6 (1) IN GENERAL.—The Secretary of Defense, in
7 consultation with the Secretary of Housing and
8 Urban Development, the Executive Director of the
9 National Institute of Building Sciences, and the
10 President of the National Academy of Sciences, to
11 the extent such Director and President agree to par-
12 ticipate, shall develop model construction standards
13 and techniques for preventing and controlling indoor
14 residential mold in new residential properties on
15 military installations.

16 (2) CONTENTS.—The model standards and
17 techniques developed under paragraph (1) shall pro-
18 vide for geographic differences in construction types
19 and materials, geology, weather, and other variables
20 that may affect indoor residential mold levels in new
21 buildings and on various military installations.

22 (3) CONSULTATION.—To the maximum extent
23 possible, model standards and techniques shall be
24 developed under paragraph (1) with the assistance
25 of—

1 (A) organizations involved in establishing
2 national building construction standards and
3 techniques, especially organizations that do that
4 work on military installations;

5 (B) organizations that develop mold and
6 water damage standards on military installa-
7 tions; and

8 (C) public health advocates that serve the
9 military community.

10 (4) PUBLICATION.—

11 (A) DRAFT STANDARDS AND TECH-
12 NIKUES.—The Secretary of Defense shall make
13 a draft of the document containing the model
14 standards and techniques developed under para-
15 graph (1) available for public review and com-
16 ment.

17 (B) FINAL STANDARDS AND TECH-
18 NIKUES.—The Secretary shall make the final
19 model standards and techniques developed
20 under paragraph (1) available to the public not
21 later than one year after the date of the enact-
22 ment of this Act.

23 (5) APPLICABILITY TO NEW CONSTRUCTION
24 AND REHABILITATION.—Not later than one year
25 after the publication of the final model standards

1 and techniques required by paragraph (4)(B), the
2 Secretary of Defense shall include such model stand-
3 ards and techniques as a requirement for residential
4 rehabilitation or new construction projects conducted
5 by the Department of Defense with amounts appro-
6 priated to the Department.

7 (d) EDUCATION FOR MILITARY HEALTH PROFES-
8 SIONALS.—The Secretary of Defense shall include edu-
9 cation for military health professions on mold-related ill-
10 ness, including signs and symptoms of toxigenic mold ex-
11 posure, in recurring training received by military health
12 practitioners at such time and in such manner as the Sec-
13 retary chooses.

14 (e) DEFINITIONS.—In this section:

15 (1) The term “indoor residential mold” means
16 any form of multi-cellular fungi found in water-dam-
17 aged indoor environments and building materials, in-
18 cluding cladosporium, penicillium, alternaria, asper-
19 gillus, fusarium, trichoderma, memnoniella, mucor,
20 stachybotrys chartarum, streptomyces, and
21 epicoccum often.

22 (2) The term “military installation” has the
23 meaning given that term in section 2801(c) of title
24 10, United States Code.

1 (3) The term “military unaccompanied hous-
2 ing” has the meaning given that term in section
3 2871 of title 10, United States Code.

4 (4) The term “toxigenic mold” means any in-
5 door mold growth that may be capable of producing
6 a toxin or toxic compound, including mycotoxins and
7 microbial volatile organic compounds, that can cause
8 pulmonary, respiratory, neurological, gastro-
9 intestinal, or dermatological illnesses, or other major
10 adverse health impacts, as determined by the Sec-
11 retary of Defense in consultation with the Director
12 of the National Institutes of Health, the Secretary
13 of Housing and Urban Development, the Adminis-
14 trator of the Environmental Protection Agency, and
15 the Director of the Centers for Disease Control and
16 Prevention.

