

AMENDMENT TO RULES COMMITTEE PRINT

118-36

OFFERED BY MR. MOYLAN OF GUAM

At the end of subtitle C of title XXVIII, add the following new section:

1 **SEC. 28 ____ . RESEARCH, STANDARDS, AND OTHER REQUIRE-**
2 **MENTS RELATING TO INDOOR RESIDENTIAL**
3 **MOLD.**

4 (b) RESEARCH ON HEALTH IMPACTS OF INDOOR
5 RESIDENTIAL MOLD.—

6 (1) RESEARCH.—

7 (A) IN GENERAL.—As soon as practicable
8 after the date of enactment of this Act, the Sec-
9 retary of Defense, in consultation with the Di-
10 rector of the Assistant Secretary of Defense for
11 Health Affairs, the Secretary of Housing and
12 Urban Development, the Director of the Cen-
13 ters for Disease Control and Prevention, the
14 Administrator of the Environmental Protection
15 Agency, the Secretary of Energy, the Secretary
16 of Health and Human Services, the President
17 of the National Academy of Sciences, and the
18 Chair of the Board of Directors of the National

1 Institute of Building Sciences shall conduct a
2 comprehensive study of the health effects of in-
3 door residential mold growth in barracks or
4 other housing on military installations, using
5 the most up-to-date scientific peer-reviewed
6 medical literature.

7 (B) CONTENTS.—The study conducted
8 under subparagraph (A) shall ascertain—

9 (i) detailed information about harmful
10 or toxigenic mold that may impact the
11 services and those living on military instal-
12 lations, as well as any toxin or toxic com-
13 pound such mold can 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 equate mold inspections on military instal-
23 lations and improper indoor residential
24 mold remediation in barracks on military
25 installations;

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 on the military serv-
5 ices and its effect on quality of life as it
6 impacts readiness, including its impact on
7 children in military families;

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

13 (vii) ongoing surveillance of the preva-
14 lence of idiopathic pulmonary hemorrhage
15 in infants living on military installations;
16 and

17 (viii) longitudinal studies on the ef-
18 fects of indoor mold exposure in early child-
19 hood on the development of asthma and
20 other respiratory illnesses of children living
21 on military installations.

22 (C) AVAILABILITY.—Not later than the ex-
23 piration of the 3-year period beginning on the
24 date of the enactment of this Act, the results of
25 the study conducted under subparagraph (A)

1 shall be submitted to Congress and the Presi-
2 dent and made available to the general public.

3 (c) HEALTH, SAFETY, AND HABITABILITY STAND-
4 ARDS AND MODEL STANDARDS.—

5 (1) MODEL STANDARDS FOR PREVENTING, DE-
6 TECTING, AND REMEDIATING INDOOR RESIDENTIAL
7 MOLD GROWTH.—Based on the results of the inter-
8 agency health study conducted under subsection (a),
9 the Secretary of Defense, in consultation with the
10 Administrator of the Environmental Protection
11 Agency, the Secretary of Housing and Urban Devel-
12 opment, the Director of the Centers for Disease
13 Control and Prevention, the Assistant Secretary of
14 Labor for Occupational Safety and Health at the
15 Occupational Safety and Health Administration, the
16 Secretary of Energy, the Executive Director of the
17 National Institute of Building Sciences, and the
18 President of the National Academy of Sciences shall,
19 in accordance with section 12(d) of the National
20 Technology Transfer and Advancement Act of 1995
21 (15 U.S.C. 272 note; Public Law 104–113), jointly
22 issue model health, safety, and habitability stand-
23 ards for preventing, detecting, and remediating in-
24 door residential mold growth on military installa-
25 tions, including—

1 (A) model residential mold inspection
2 standards for military barracks;

3 (B) model indoor residential mold remedi-
4 ation standards for military installations;

5 (C) standards for testing the toxicity of in-
6 door residential mold and any toxin or toxic
7 compound produced by indoor residential mold
8 on military installations;

9 (D) health and safety standards for the
10 protection of those inspecting for and remedi-
11 ating mold in housing on military installations;

12 (E) standards for indoor residential mold
13 testing labs that serve military installations;

14 (F) model ventilation standards for the de-
15 sign, installation, and maintenance of air ven-
16 tilation or air-conditioning systems in housing
17 on military installations to prevent indoor resi-
18 dential mold growth or the creation of condi-
19 tions that foster indoor mold growth in housing
20 on military installations; and

21 (G) model building code standards for
22 housing on military installations to control
23 moisture and prevent mold growth.

1 (2) CONSULTATION.—To the maximum extent
2 possible, model standards issued under this sub-
3 section shall be developed with the assistance of—

4 (A) organizations that develop mold and
5 water damage standards and work with military
6 installations;

7 (B) organizations involved in establishing
8 national building construction standards and
9 work with military installations;

10 (C) organizations involved in improving in-
11 door air quality;

12 (D) public health advocates that serve the
13 military community; and

14 (E) health and medical professionals that
15 serve military servicemembers and their fami-
16 lies, including practitioners that care for chil-
17 dren of servicemembers.

18 (3) RESILIENCY.—Model standards issued
19 under this subsection shall take into account geo-
20 graphic diversity, propensity for extreme weather or
21 flooding, and other resiliency metrics impacting mili-
22 tary housing.

23 (4) DEADLINES.—

24 (A) PUBLIC REVIEW AND COMMENT.—The
25 officers identified in paragraph (1) shall make

1 draft standards issued under this section avail-
2 able for public review and comment at least 90
3 days prior to publication of the final standards
4 or model standards pursuant to subparagraph
5 (B).

6 (B) PUBLICATION.—Not later than years
7 after the results of the study conducted under
8 subsection (a) are submitted to Congress in ac-
9 cordance with such section, the officers identi-
10 fied in subsection (a) shall issue, and make
11 available to the public, final standards and
12 model standards under this section.

13 (5) REVIEW AND UPDATES.—The officers iden-
14 tified in paragraph (1) shall—

15 (A) review the model standards issued
16 under this subsection at least once every 5
17 years based on latest scientific advances and
18 published studies relating to indoor residential
19 mold growth; and

20 (B) update such standards and model
21 standards as necessary to preserve and improve
22 the quality of housing on military installations,
23 and prevent the displacement of those currently
24 living on military installations.

1 (d) CONSTRUCTION REQUIREMENTS FOR NEW
2 HOUSING ON MILITARY INSTALLATIONS.—

3 (1) MODEL CONSTRUCTION STANDARDS.—

4 (A) IN GENERAL.—The Secretary of De-
5 fense, in consultation with Secretary of Housing
6 and Urban Development, the Executive Direc-
7 tor of the National Institute of Building
8 Sciences, and the President of the National
9 Academy of Sciences, to the extent such Direc-
10 tor and President agree to participate, shall de-
11 velop model construction standards and tech-
12 niques for preventing and controlling indoor
13 residential mold in new residential properties on
14 military installations.

15 (B) CONTENTS.—The model standards
16 and techniques shall provide for geographic dif-
17 ferences in construction types and materials,
18 geology, weather, and other variables that may
19 affect indoor residential mold levels in new
20 buildings and on various military installations.

21 (C) CONSULTATION.—To the maximum ex-
22 tent possible, such standards and techniques
23 shall be developed with—

24 (i) the assistance of organizations in-
25 volved in establishing national building

1 construction standards and techniques, es-
2 pecially those who do this work on military
3 installations;

4 (ii) the assistance of organizations
5 that develop mold and water damage
6 standards on military installations; and

7 (iii) public health advocates that serve
8 the military community.

9 (D) PUBLICATION.—The Secretary shall
10 make a draft of the document containing the
11 model standards and techniques available for
12 public review and comment. The Secretary shall
13 make final model standards and techniques
14 available to the public not later than one year
15 after the date of the enactment of this Act.

16 (E) APPLICABILITY TO NEW CONSTRU-
17 TION AND REHABILITATION.—Within 1 year of
18 the publication of the final model standards and
19 techniques required by subparagraph (D), the
20 Secretary of Defense shall include such model
21 standards and techniques as a requirement for
22 residential rehabilitation or new construction
23 projects funded with Federal appropriations
24 made available by such agencies.

1 (e) EDUCATION FOR MILITARY HEALTH PROFES-
2 SIONALS.—The Secretary of Defense shall include edu-
3 cation for military health professions on mold-related ill-
4 ness, including signs and symptoms of toxigenic mold ex-
5 posure, in recurring training received by military health
6 practitioners at such time and in such manner as the Sec-
7 retary chooses.

8 (f) DEFINITIONS.—In this section:

9 (1) The term “indoor residential mold” means
10 any form of multi-cellular fungi in indoor environ-
11 ments, including cladosporium, penicillium,
12 alternaria, aspergillus, fusarium, trichoderma,
13 memnoniella, mucor, stachybotrys chartarum,
14 streptomyces, and epicoccum often found in water-
15 damaged indoor environments and building mate-
16 rials.

17 (2) The term “toxigenic mold” means any in-
18 door mold growth that may be capable of producing
19 a toxin or toxic compound, including mycotoxins and
20 mVOCs, that can cause pulmonary, respiratory, neu-
21 rological, gastrointestinal, or dermatological ill-
22 nesses, or other major adverse health impacts, as de-
23 termined by the Secretary of Defense in consultation
24 with the Director of the National Institutes of
25 Health, the Secretary of Housing and Urban Devel-

1 opment, the Administrator of the Environmental
2 Protection Agency, and the Director of the Centers
3 for Disease Control and Prevention.

