

Harmonization effort for  
SGM-SF, RMS-MF and RMS-LB Mitigation Standards  
*Continuous maintenance efforts to improve these standards are currently ongoing.*



**Read me – SGM-SF**

**The work attached contains a *collection of proposed revisions* for harmonization compared to what is currently published in *rev. 12/20 publications of: SGM-SF (existing homes)***

The latest published versions of these standards are available for comparison at [www.standards.aarst.org](http://www.standards.aarst.org) where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from [www.standards.aarst.org/public-review](http://www.standards.aarst.org/public-review). The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

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**Public Review: Collected SGM-SF Revisions 09-22**  
**COMMENT DEADLINE: Sept 11<sup>th</sup>, 2022**

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**REQUESTED PROCESS AND FORM FOR FORMAL PUBLIC REVIEW COMMENTS**

Submittals (MS Word preferred) may be attached by email to [StandardsAssist@gmail.com](mailto:StandardsAssist@gmail.com)

- 1) Do not submit marked-up or highlighted copies of the entire document.
- 2) If a new provision is proposed, text of the proposed provision must be submitted in writing. If modification of a provision is proposed, the proposed text must be submitted utilizing the strikeout/underline format.
- 3) For substantiating statements: Be brief. Provide abstract of lengthy substantiation. (If appropriate, full text may be enclosed for project committee reference.)

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## REQUESTED FORMAT

Title of Public Review Draft: **Collection SGM-SF Revisions 09-22**

- **Name:** \_\_\_\_\_ **Affiliation:** \_\_\_\_\_
- **Clause or Subclause:** \_\_\_\_\_
- **Comment/Recommendation:** \_\_\_\_\_
- **Substantiating Statements:** \_\_\_\_\_
- Check here if your comment is supportive in nature and does not require substantive changes in the current proposal in order to resolve your comment.

### **AARST Consortium on National Radon Standards**

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#### **The Consortium Consensus Process**

The consensus process developed for the AARST Consortium on National Radon Standards and as accredited to meet essential requirements for American National Standards by the American National Standards Institute (ANSI) has been applied throughout the process of approving this document.

#### **Continuous Maintenance**

This standard is under continuous maintenance by the AARST Consortium on National Radon Standards for which the Executive Stakeholder Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard.

User Tools: User tools are posted online ([www.standards.aarst.org/public-review](http://www.standards.aarst.org/public-review)) as they become available (such as templates for field notices, inspection forms, interpretations and approved addenda updates across time).

#### **Notices**

Notice of right to appeal: Bylaws for the AARST Consortium on National Radon Standards are available at [www.standards.aarst.org/public-review](http://www.standards.aarst.org/public-review). Section 2.1 of Operating Procedures for Appeals (Appendix B) states, "Persons or representatives who have materially affected interests and who have been or will be adversely affected by any substantive or procedural action or inaction by AARST Consortium on National Radon Standards committee(s), committee participant(s), or AARST have the right to appeal; (3.1) Appeals shall first be directed to the committee responsible for the action or inaction."

Disclaimer: The AARST Consortium on National Radon Standards strives to provide accurate, complete and useful information. The AARST Consortium on National Radon Standards will make every effort to correct errors brought to its attention. However, neither the AARST Consortium on National Radon Standards, its sponsoring organization the American Association of Radon Scientists and Technologists nor any person contributing to the preparation of this document makes any warranty, express or implied, with respect to the usefulness or effectiveness of any information, method or process disclosed in this material. Nor does AARST or the AARST Consortium on National Radon Standards assume any liability for the use of, or for damages arising from the use of, any information, method or process disclosed in this document. It is the sole responsibility of radon practitioners using this standard to stay current with changes to the standard and to comply with local, state and federal codes and laws relating to their practice.

## AARST SGM-SF Soil Gas Mitigation Standards for Existing Homes

**Commentary/Rationale:** The proposed revision to Section 9.2.4 is to align with ANSI Essential Requirements 2021 when personal or product certifications or listings are required by a standard.

### 9.2.4 Radon test devices

Radon test devices employed shall be listed by: the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or a program that verifies compliance with the most current version of ANSI/AARST MS-PC; or as required by the state where the measurement is being performed.

**Commentary/Rationale:** The proposed revisions to Section 3 are to align with ANSI Essential Requirements 2021 when personal or product certifications or listings are required by a standard.

### 3.2 Radon Mitigation Professionals

A “qualified radon mitigation professional” is defined as:

“An individual who has demonstrated a minimum degree of appropriate technical knowledge and skills specific to design and installation of systems that mitigate occupant exposure to radon gas in existing homes, as established in listing or certification requirements<sup>1</sup> of:

- a) the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or equivalent national program<sup>2</sup>; and
- b) as required by local statute, state or provincial licensure or certification programs that evaluate individuals for radon-specific technical knowledge and skills.”

### 3.3 Soil Gas Mitigation Professionals

A “qualified soil gas mitigation professional” is defined as:

“An individual who has demonstrated a minimum degree of appropriate technical knowledge and skills specific to design and installation of systems that mitigate occupant exposure to hazardous chemicals vapors and gas in existing homes, as established in listing or certification requirements<sup>1</sup> of:

- a) the National Radon Proficiency Program (NRPP), the National Radon Safety Board (NRSB) or equivalent national program<sup>2</sup>; and
- b) as required by local statute, state or provincial licensure or certification programs that evaluate individuals for soil-gas-specific technical knowledge and skills.”

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<sup>1</sup> The definition of “*certification requirements*” is located Section 14, *Description of Terms*. The definition includes minimum educational requirements associated with listing or certification of qualified mitigation professionals.

<sup>2</sup> Note that identification of the two competing certification bodies listed is not an endorsement of either program. The definition of “*equivalent national program*” is located Section 14, *Description of Terms*.

Commentary/Rationale: The following proposed additions to Section 14 (Description of terms) are to elaborate on what is meant by the term “equivalent programs” as compared to the benchmark established for 25 years by the two competing national programs identified in Section 3.

## Section 14 Description of terms

**Equivalent National Program:** A national program that evaluates and lists qualified individuals, training courses and other products or services, such as laboratory services, integral to achieving public health goals intended by this standard. Equivalent programs are programs with published policies that:

- (1) require persons to undergo education and an impartial examination process prior to granting personal certification or certificates of educational achievement;
- (2) have a written policy and means for receiving and adjudicating complaints against individuals who have been granted the credential; and
- (3) require surveillance of continued competence, not less than as demonstrated by continuing education in related technical knowledge and skills, prior to granting recertification or renewed certificates.

Commentary/Rationale: The proposed additions to SGM-SF for certification and listing requirements are to elaborate on minimum educational requirements as historically associated with the two competing national programs identified in Section 3.

**Certification Requirements (Qualified Radon Measurement Professional-Homes):** Certifications granted by equivalent national programs that qualify individuals as proficient in conducting radon measurements in existing homes include 16 hours or more education prior to granting both certification and biennial recertification on tasks required in ANSI/AARST MAH Protocol for Conducting Measurements of Radon and Radon Decay Products in Homes.

**Certification Requirements (Qualified Radon Mitigation Professionals-Homes):** Certifications granted by equivalent national programs that qualify individuals as proficient in designing radon mitigation systems require no less than 32 hours or more education, to include a focus on tasks required in ANSI/AARST SGM-SF Soil Gas Mitigation Standards for Existing Homes, and no less than 16 hours continuing education biennially prior to granting recertification prior to granting recertification.

**Certification Requirements (Qualified Soil Gas Mitigation Professionals-Homes):** Certifications granted by equivalent national programs that qualify individuals as proficient in designing soil gas mitigation systems require no less 32 hours or more education, to include a focus on tasks required in ANSI/AARST SGM-SF Soil Gas Mitigation Standards for Existing Homes, training on chemical hazard protection, and no less than 16 hours continuing education biennially prior to granting recertification.