



# American Nuclear Society

## STANDARDS COMMITTEE STRATEGIC PLAN

January 2025 through January 2030

Approved 11/19/24

### Vision

The American Nuclear Society (ANS) Standards Committee is recognized as an industry leader in developing consensus standards and other approved standards-related products for the implementation of nuclear science and technology.

### Mission

To develop and maintain high-quality, domestic, and international consensus standards and other approved standards-related products that meet the current and anticipated future needs of the nuclear industry<sup>1</sup> and to promote their broad acceptance, endorsement, and use.

### Goals and Objectives

#### **Goal #1: Align ANS Standards Development Priorities with Industry Needs in the USA and Internationally**

**Objective:** Establish an approach(es) to collect industry input and integrate this input into near- and long- term standards priorities and delivery targets.

#### **Initiatives**

- A. Identify industry needs to help direct ANS standards activities.
- B. Develop a plan to prioritize and address ANS standards needs.
- C. Incorporate risk-informed and performance-based (RIPB) methods into ANS standards, where appropriate, based on guidance provided in the ANS document, "[Incorporating Risk-Informed and Performance-Based Approaches/Attributes in ANS Standards](#)," and other industry documents as applicable.

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<sup>1</sup> The term "industry" as used in this plan means the portions of the nuclear science and technology community within the scope of the ANS Standards Committee.



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### Goal #2: Develop and Maintain High-Quality Standards

**Objective:** Ensure that standards processes are efficient, and that effective training and knowledge transfer are embedded into the standards development process.

#### Initiatives

- A. Improve the process and efficiencies for the development and maintenance of ANS standards.
- B. Assess ANS Standards Committee training needs and implement improvements.
- C. Implement required training for new Standards Committee members.

### Goal #3: Expand ANS Awareness and External Outreach

**Objective:** Improve ANS interfaces and lead the industry in the formation of U.S. and international multi-organization led teams to ensure coordination and collaboration among SDOs and industry stakeholders.

#### Initiatives

- A. Improve ANS standards communications and interfaces with industry groups and regulatory agencies.
- B. Support and carry out the focus of NRC's strategic outlook "... aims to identify standards needs for the nuclear industry not currently being addressed by standards development organizations (SDOs) such as ASTM, ASME, ACI, ANS, IEEE, etc."
- C. Continue the outreach achieved with the RP3C Community of Practice.
- D. Engage the ANS Advanced Reactor Working Group (ARWG) in industry activities as needed to accomplish their advanced reactor goals and objectives for ANS.
- E. Participate and provide leadership in the SDO-led Advanced Reactor Codes & Standards Collaborative (ARCSC).
- F. Continue engagement with the International Organization for Standardization (ISO) through the ANSI Nuclear Technology Advisory Group (NTAG).

### Goal #4: Ensure Sustainability of Working Groups, Subcommittees, and Consensus Committees

**Objective:** Increase participation in ANS standards development to (1) ensure continued technical capability of Standards Committee members, (2) enhance knowledge capture and transfer, and (3) increase participation of young nuclear professionals.



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### **Initiatives**

- A. Develop a plan to review avenues of recruitment and determine where ANS may be able to enhance participation.
- B. Support the Standards Committee volunteer database to allow consensus committees, subcommittees, and working groups to find qualified members.
- C. Establish a Standards-Board mechanism to reach out to industry organizations that are capable of providing financial support to ANS standards-development activities, so as to encourage them to provide that support when they can.