What’s New . . .

Approval of Proposed Standards Projects (12)

Before work on a draft standard can begin, a Project Initiation Notification System (PINS) form must be approved and submitted to the American National Standards Institute (ANSI). The following projects have PINS forms in the development and/or approval process:

ANS-2.18-201x, “Evaluating Radionuclide Transport in Surface Water for Nuclear Power Sites” (proposed new standard – title TBD)


ANS-2.32-201x, “Guidance on the Selection and Evaluation of Remediation Methods for Subsurface Contamination” (new standard)

ANS-2.33-201x, “Aquatic Ecological Surveys Required for Siting, Design, and Operation of Nuclear Power Plants” (formerly designated ANS-18.4) (proposed new standard – title TBD)

ANS-3.15-201x, “Cybersecurity Standard” (proposed new standard – title TBD)

ANS-3.16-201x, “Meteorological Aspects of Wildland Fire Response” (proposed new standard – title TBD)


ANS-8.22-201x, “Nuclear Criticality Safety Based on Limiting and Controlling Moderators” [proposed revision of ANSI/ANS-8.22-1997 (R2016)]


ANS-56.1-201x, “Containment Hydrogen Control Standard” (proposed new standard – title TBD)


ANS-60.1-201x, “Export Control Standard” (proposed new standard – title TBD)

Drafts in Development (33)

The following projects have approved PINS forms and are in development:

ANS-1-201x, “Conduct of Critical Experiments” [revision of ANSI/ANS-1-2000 (R2012)]

ANS-2.16-201x, “Criteria for Modeling Design-Basis Accidental Releases from Nuclear Facilities” (new standard)

ANS-2.22-201x, “Environmental Radiological Monitoring at Operating Nuclear Facilities” (new standard)

ANS-2.25-201x, “Surveys of Ecology Needed to License Nuclear Facilities” (new standard)


ANS-2.29-201x, “Probabilistic Seismic Hazard Analysis” [revision of ANSI/ANS-2.29-2008 (R2016)]

ANS-3.8.10-201x, “Criteria for Modeling Real-Time Accidental Releases at Nuclear Facilities” (new standard)

ANS-3.13-201x, “Nuclear Facility Reliability Assurance Program (RAP) Development” (new standard)

ANS-3.14-201x, “Process for Aging Management and Life Extension of Nonreactor Nuclear Facilities” (new standard)

ANS-2.34-201x, “Characterization and Probabilistic Analysis of Volcanic Hazards” (new standard)

ANS-6.4.2-201x, “Specification for Radiation Shielding Materials for Nuclear Facilities” [revision of ANSI/ANS-6.4.2-2006 (R2016)]

ANS-6.4.3-201x, “Gamma-Ray Attenuation Coefficients & Buildup Factors for Engineering Materials” [revision of ANS-6.4.3-1991 (W2001)]


ANS-8.7-201x, “Nuclear Criticality Safety in the Storage of Fissile Materials” [revision of ANSI/ANS-8.7-1998 (R2017)]


ANS-15.22-201x, “Classification of Structures, Systems and Components for Research Reactors” (new standard)


ANS-19.3.4-201x, “The Determination of Thermal Energy Deposition Rates in Nuclear Reactors” [proposed revision of ANSI/ANS-19.3.4-2002 (R2017)]

ANS-19.5-201x, “Requirements for Reference Reactor Physics Measurements” [revision of ANS-19.5-1995 (W2005)]


ANS-20.2-201x, “Nuclear Safety Design Criteria and Functional Performance Requirements for Liquid-Fuel Molten Salt Reactor Nuclear Power Plants” (new standard)

ANS-30.1-201x, “Integration of Risk-Informed, Performance-Based Principles and Methods into Nuclear Safety Design for Nuclear Power Plants” (new standard)

ANS-30.2-201x, “Categorization and Classification of Structures, Systems, and Components for New Nuclear Power Plants” (new standard)

ANS-30.3-201x, “Advanced Light-Water Reactor Risk-Informed Performance-Based Design Criteria and Methods” (proposed new standard – title TBD)

ANS-56.8-201x, “Containment System Leakage Testing Requirements” [revision of ANSI/ANS-56.8-2002 (R2016)]

ANS-57.2-201x, “Design Requirements for Light Water Reactor Used Fuel Storage Facilities at Nuclear Power Plants” [revision of ANS-57.2-1983 (W1992)]

ANS-57.11-201x, “Integrated Safety Assessments for Nonreactor Nuclear Facilities” (new standard)


Projects at Ballot or Resolving Ballot Comments (7)

Projects at ballot have completed drafts that have been issued for subcommittee or consensus committee ballot/concurrent public review. Before proceeding, all comments must be considered. Multiple ballots may be needed before a draft is approved. The following draft standards are in the process of approval/comment resolution:

ANS-2.8-201x, “Probabilistic Evaluation of External Flood Hazards for Nuclear Facilities” [revision of ANS-2.8-1992 (W2002)]

ANS-3.5-201x, “Nuclear Power Plant Simulators for Use in Operator Training and Examination” (revision of ANSI/ANS-3.5-2009)

ANS-8.3-201x, “Criticality Accident Alarm System” [revision of ANSI/ANS-8.3-1997 (R2012)]


ANS Recently Approved Standards
The following new or revised standards have recently received ANSI approval:


Contact standards@ans.org for more details on any of the above standards.

3/27/18