



American Nuclear Society

What's New . . .

Approval of Proposed Standards Projects

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-2.26-201x, "Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design" [proposed revision of ANSI/ANS-2.26-2004 (R2017)]

ANS-2.32-201x, "Guidance on the Selection and Evaluation of Remediation Methods for Subsurface Contamination" (proposed 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-2.35-201x, "Estimating the Socioeconomic Impacts of Construction, Operations, and Decommissioning a Nuclear Facility" (proposed new standard – title TBD)

ANS-3.5.1-201x, "Nuclear Power Plant Simulators for Use in Simulation Assisted Engineering and Non-Operator Training" (proposed new standard)

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-57.8-201x, "Fuel Assembly Identification [proposed revision of ANSI/ANS-57.8-1995 (R2017)]

ANS-59.3-201x, "Nuclear Safety Criteria for Control Air Systems" [proposed revision ANS-59.3-1992 (W2012)]

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

Drafts in Development

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-2.27-201x, "Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments" [revision of ANSI/ANS-2.27-2008 (R2016)]

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-6.1.1-201x, "Neutron and Gamma-Ray Fluence-to-Dose Factors" [proposed revision ANS-6.1.1-1991 (W2001)]

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-8.1-201x, "Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors" (proposed revision of ANSI/ANS-8.1-2014)

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

ANS-8.12-201x, "Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors" [revision of ANSI/ANS-8.12-1987 (R2016)]

ANS-8.20-201x, "Nuclear Criticality Safety Training for Fissionable Materials Operations Outside Reactors" [revision of ANSI/ANS-8.20-1991 (R2015)]

ANS-8.26-201x, "Criticality Safety Engineer Training and Qualification Program" [revision of ANSI/ANS-8.26-2007 (R2016)]

ANS-8.28-201x, "Administrative Practices for the Use of Non-Destructive Assay Measurements for Nuclear Criticality Safety" (new standard)

ANS-10.4-201x, "Verification and Validation of Non-Safety-Related Scientific and Engineering Computer Programs for the Nuclear Industry" [revision of ANSI/ANS-10.4-2008 (R2016)]

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-19.6.1-201x, "Reload Startup Physics Tests for Pressurized Water Reactors" [revision of ANSI/ANS-19.6.1-2011 (R2016)]

ANS-20.1-201x, "Nuclear Safety Criteria and Design Criteria for Fluoride Salt-Cooled High-Temperature Reactor Nuclear Power Plants" (new standard)

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

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-8.21-201x, "Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors" [revision and consolidation of ANSI/ANS-8.21-1995 (R2011) and ANSI/ANS-8.5-1996 (R2017)]

ANS-8.23-201x, "Nuclear Criticality Accident Emergency Planning and Response" [revision of ANSI/ANS-8.23-2007 (R2012)]

ANS-16.1-201x, "Measurement of the Leachability of Solidified Low-Level Radioactive Wastes by a Short-Term Test Procedure" [proposed revision of ANSI/ANS-16.1-2003 (R2017)]

ANS-19.1-201x, "Nuclear Data Sets for Reactor Design Calculations" [revision of ANSI/ANS-19.1-2002 (R2011)]

ANS-51.10-201x, “Auxiliary Feedwater System for Pressurized Water Reactors” [revision of ANSI/ANS-51.10-1991 (R2008)]

ANS-54.1-201x, “Nuclear Safety Criteria and Design Process for Liquid-Metal-Cooled Nuclear Power Plants” [revision of ANS-54.1-1989 (W1999)]

ANS-58.8-201x, “Time Response Design Criteria for Safety-Related Operator Actions” [revision of ANSI/ANS-58.8-1994 (R2017)]

ANS Recently Approved Standards

The following new or revised standards have recently received ANSI approval:

ANSI/ANS-2.6-2018, “Guidelines for Estimating Present & Projecting Future Population Distributions Surrounding Nuclear Facility Sites” (new standard – [available for purchase](#))

ANSI/ANS-2.10-2017, “Criteria for the Handling and Initial Evaluation of Records from Nuclear Power Plant Seismic Instrumentation” [revision of ANS-2.10-2003 (W2013) – [available for purchase](#)]

ANSI/ANS-8.24-2017, “Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations” [revision of ANSI/ANS-8.24-2007 (R2012) – [available for purchase](#)]

ANSI/ANS-19.4-2017, “A Guide for Acquisition and Documentation of Reference Power Reactor Physics Measurements for Nuclear Analysis Verification” [revision of ANS-19.4-1976 (W2010) – [available for purchase](#)]

ANSI/ANS-19.11-2017, “Calculation and Measurement of the Moderator Temperature Coefficient of Reactivity for Water Moderated Power Reactors” [revision of ANSI/ANS-19.11-1997 (R2011) – [available for purchase](#)]

ANSI/ANS-57.3-2018, “Design Requirements for New Fuel Storage Facilities at Light Water Reactor Plants” [revision of ANS-57.3-1983 (W1993) – [available for purchase](#)]

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

11/7/18