

# SRACC Chairman's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development/Approval (0)

### Standards in Development – Approved PINS (5)

- ANS-6.4-202x, *Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants* (revision of ANSI/ANS-6.4-2006; R2021)—PINS submitted 4/16/2025
- ANS-6.4.2-202x, *Specification for Radiation Shielding Materials* (revision of ANS-6.4.2-2006; R2021)—PINS submitted 12/3/2021
- ANS-6.4.3-202x, *Gamma-Ray Attenuation Coefficients & Buildup Factors for Engineering Materials* (new standard, reinvigoration of historical standard ANS-6.4.3-1991)—PINS submitted 3/15/2012
- ANS-10.4-202x, *Verification and Validation of Non-Safety-Related Scientific and Engineering Computer Programs for the Nuclear Industry* (revision of ANSI/ANS-10.4-2008; R2021)—PINS submitted 7/17/2018; resubmitted after reaffirmation 1/26/2023
- ANS-19.5-202x, *Requirements for Reference Reactor Physics Measurements* (new standard, revision of historical ANS-19.5-1995)—PINS submitted 11/6/2012

### Standards at Ballot/Resolving Comments (3)

- ANS-6.1.1-2020 (R202x), *Photon and Neutron Fluence-to-Dose Conversion Coefficients* (reaffirmation of ANSI/ANS-6.1.1-2020)
- ANS-6.3.1-1987 (R202x), *Program for Testing Radiation Shields in Light Water Reactors (LWR)* (reaffirmation of ANSI/ANS-6.3.1-1987; R2020)
- ANS-10.8-2015 (R202x), *Non-Real Time, High-Integrity Software for the Nuclear Industry—User Requirements* (reaffirmation of ANSI/ANS-10.8-2015; R2020)

### Standards Approved/Published in 2025 (3)

- ANSI/ANS-5.4-2011 (R2025), *Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel* (reaffirmation of ANSI/ANS-5.4-2011; R2020)—Approved 2/24/2025
- ANSI/ANS-6.6.1-2015 (R2025), *Calculation and Measurement of Direct and Scattered Radiation from LWR Nuclear Power Plants* (reaffirmation of ANSI/ANS-6.6.1-2015; R2020)—Approved 3/11/2025
- ANSI/ANS-19.10-2025, *Methods for Determining Neutron Fluence in BWR and PWR Pressure Vessel and Internals* (revision of ANSI/ANS-19.10-2009; R2021)—Approved 1/21/2025

### Delinquent Standards (5+ years since ANSI approval)

SRACC has no delinquent standards. Standards next up for maintenance:

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-6.4-2006 (R2021)	Nuclear Analysis and Design of Concrete Radiation Shielding for Nuclear Power Plants	K. Jha	8/5/2021	Reaffirmation to be considered if revision not completed by 8/5/2026
ANS-6.4.2-2006 (R2021)	Specification for Radiation Shielding Materials	P. Caracappa	12/2/2021	Reaffirmation to be considered if revision not completed by 12/2/2026
ANS-10.4-2008 (R2021)	Verification and Validation of Non-Safety-Related Scientific and Engineering Computer Programs for the Nuclear Industry	N. Fathi	6/15/2021	Reaffirmation to be considered if revision not completed by 6/15/2026
ANS-10.5-2006 (R2021)	Accommodating User Needs in Scientific and Engineering Computer Software Development	A. Smetana	8/23/2021	Maintenance to be completed by 8/23/2026
ANS-10.8-2015 (R2020)	Non-Real Time, High-Integrity Software for the Nuclear Industry-- User Requirements	OPEN SubC – P. Hulse	10/29/2020	Maintenance to be completed by 10/29/2025 RF form sent.

## **Responses to Inquiries**

SRACC has no open inquiries.

## **Membership Changes/BOI Changes (since last meeting)**

- Jianwei Chen, Westinghouse Electric Company, LLC, was approved in the “Vendor” category effective 1/24/2025.
- Jonathan Stephens, BWX Technologies, Inc., was approved in the “Vendor” category effective 12/26/2024.
- Japan Patel’s company affiliation changed from University of Michigan to Gateway Scripts, LLC, and was reclassified to the “Vendor” category 4/23/2025.

## **Volunteer Staffing Needs**

<b>Staffing Need (Member, chair, etc.)# of positions</b>	<b>Standard #</b>	<b>Date Need Identified (Estimated)</b>	<b>Priority (H or M)*</b>	<b>Date Need Filled</b>	<b>Source**</b>	<b>Date-Actions Taken to Fill Need (Estimated)</b>
Chair/members	ANS-5.4	2023	M		d, e	various 2022-current
Chair/members	ANS-6.1.1	2023	M		d, e	various 2023-current
Chair/Members	ANS-6.3.1	2015	M		d, e	various 2015-current
Members	ANS-19.8	pre-dates SRACC	M		a, d, e	various 2014-current
Chair/Members	ANS-19.9	pre-dates SRACC	M		a, d, e	various 2014-current
Chair/Members	ANS-19.12	pre-dates SRACC	M		d, e	various 2014-current

\* High (H) or medium (M) priority based on priority of standard or reaffirmation time limit.

\*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors, h. internet search, i. other

# RARCC Chairman's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development /Approval (0)

### Standards in Development – Approved PINS (8)

- ANS-1-202x, *Conduct of Critical Experiments* (revision of ANS-1-2000; R2024)—PINS submitted 7/7/2017
- ANS-15.8-202x, *Quality Assurance Program Requirements for Research Reactors* (revision of ANSI/ANS-15.8-1995; R2023)—PINS submitted 1/11/2010
- ANS-15.11-202x, *Radiation Protection & Research Reactors* (revision of ANSI/ANS-15.11-2016; R2021)—PINS submitted 2/28/2025
- ANS-15.22-202x, *Classification of Structures, Systems and Components for Research Reactors* (new standard)—PINS submitted 3/3/2017
- ANS-20.3-202x, *Standard for Oxygen Concentration Measurement in Molten Salt by Inert Gas Fusion Analysis* (new standard)—PINS submitted 5/30/2025
- ANS-30.2-202x, *Classification and Categorization of Structures, Systems, and Components for New Nuclear Power Plants* (new standard)—PINS submitted 7/7/2016
- ANS-31.1-202x, *Standard for Testing and Facilities for Space Nuclear Power and Propulsion Reactors* (proposed new standard)—PINS submitted 4/8/2025
- ANS-53.1-202x, *Nuclear Safety Criteria for the Design of High Temperature Gas-Cooled Reactor Plants* (revision of ANSI/ANS-53.1-2011; R2021)—PINS submitted 1/13/2023

### Standards at Ballot/Resolving Comments (2)

- ANS-GS-30.1-202x, *Integrating Risk and Performance Objectives into New Reactor Nuclear Safety Designs* (new guidance standard)—PINS submitted on 8/11/2015
- ANS-54.8-202x, *Liquid Metal Fire Protection in LMR Plants* (new standard, revision of historic ANS-54.8-1988)—PINS submitted 6/12/2024

### Standards Approved/Published in 2024/2025 (2)

- ANSI/ANS-15.16-2015 (R2024), *Emergency Planning for Research Reactors* (reaffirmation of ANSI/ANS-15.16-2015; R2020)—Approved 12/9/2024
- ANSI/ANS-54.1-2020 (R2025), *Nuclear Safety Criteria and Design Process for Sodium Fast Reactor Nuclear Power Plants* (reaffirmation of ANSI/ANS-54.1-2020)—Approved 4/15/2025

### Delinquent Standards (5+ years since ANSI approval) (0)

No delinquent standards. The following standards are due for maintenance within the next year.

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-15.2-1999 (R2021)	Quality Control for Plate-Type Uranium-Aluminum Fuel Elements	B. Curnutt	1/28/2021	Maintenance to be completed by 1/28/26
ANS-15.4-2016 (R2021)	Selection and Training of Personnel for Research Reactors	J. Jenkins	7/23/2021	Maintenance to be completed by 1/28/26
ANS-53.1-2011 (R2021)	Nuclear Safety Design Process for Modular Helium-Cooled Reactor Plants	J. August	10/7/2021	Reaffirmation to be considered if revision not completed by 10/7/26

### Responses to Inquiries

RARCC has no open inquiries.

### Membership/BOI Changes (since last meeting)

- Nathan Clark, Pacific Northwest National Laboratory, appointment confirmed 1/25/2025. He votes in the “National Laboratory/Government Facilities” category.
- Amir Afzali retired from Aalo and was reclassified to the “Individual” category effective 1/25/2025.

## Staffing Needs

Staffing Need (Member, chair, etc.)# of positions	Standard # (Responsible chair)	Date Need Identified (Estimated)	Priority (H or M)*	Date Need Filled	Source**	Date-Actions Taken to Fill Need (Estimated)
Members	ANS-15.21 (M. Balazik / T. Newton)	2023	M		d, e	2023 - various

\* High (H) or medium (M) priority based on priority of standard or reaffirmation time limit.

\*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors, h. internet search, i. other

# NCSCC Chairman's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development/Approval (3)

- ANS-8.10-202x, *Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement* (revision of ANS-8.10-2015; R2020; R2025)
- ANS-8.14-202x, *Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors* (revision of ANS-8.14-2004; R2016; R2021)
- ANS-8.17-202x, *Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors* (proposed revision of ANSI/ANS-8.17-2004; R2019; R2024)

## Standards in Development – Approved PINS (5)

- ANS-8.1-202x, *Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors* (revision of ANS-8.1-2014; R2023)—PINS submitted 12/8/2017
- ANS-8.12-202x, *Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors* (revision of ANS-8.12-1987; R2021)—PINS submitted 9/27/2007
- ANS-8.19-202x, *Administrative Practices for Nuclear Criticality Safety* (revision of ANS-8.19-2014; R2019; R2024)—PINS submitted 5/1/2025
- ANS-8.22-202x, *Nuclear Criticality Safety Based on Limiting and Controlling Moderators* (revision of ANS-8.22-1997; R2021)—PINS submitted 11/6/2019 (resolving subcommittee comments)
- ANS-8.23-202x, *Nuclear Criticality Accident Emergency Planning and Response* (revision of ANSI/ANS-8.23-2019; R2024)—PINS submitted 5/20/2025

## Standards @ NCSCC Ballot/Resolving Comments (0)

## Standards Approved/Published in 2025 (3)

- ANSI/ANS-8.10-2015 (R2025), *Criteria for Nuclear Criticality Safety Controls in Operations With Shielding and Confinement* (reaffirmation of ANSI/ANS-8.10-2015; R2020)—ANSI approved 3/5/2025
- ANSI/ANS-8.20-2025, *Nuclear Criticality Safety Training* (revision of ANS-8.20-1991; R2020)—ANSI approved 3/26/2025
- ANSI/ANS-8.26-2024, *Criticality Safety Engineer Training and Qualification Program* (revision of ANS-8.26-2007; R2022)—ANSI approved 11/21/2024

## Delinquent Standards (–5+ Years Since ANSI Approval) (0)

NCSCC has no delinquent standards. Standards requiring maintenance in 2025:

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-8.12-2014 (R2021)	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors	C. Tripp & T. Stover	8/16/2021	Maintenance to be completed by 8/16/2026.
ANS-8.14-2004 (R2021)	Use of Soluable Neutron Absorbers in Nuclear Facilities Outside Reactors	K. Wessels	8/5/2021	Maintenance to be completed by 8/5/2026.
ANS-8.22-1997 (R2021)	Nuclear Criticality Safety Based on Limiting and Controlling Moderators	M. Crouse & L. Paulson	12/7/2021	Maintenance to be completed by 12/7/2026
ANS-8.27-2015 (R2020)	Burnup Credit for LWR Fuel	W. Marshall	8/7/2020	Maintenance to be completed by 8/7/2025. NOTE: ANS-8 RF ballot closes 6/19/25.

## Responses to Inquiries in Development/Erratum Approved (0)

No inquiries were submitted.

## Membership Changes (since last meeting)

No membership changes since last meeting.

## Volunteer Staffing Needs

No staffing needs identified.

**June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown**

- ANS-58.16-202x, *Safety Categorization and Design Criteria for Nonreactor Nuclear Facilities* (revision of ANS-58.16-2014: R2025)

- *ANS-2.36-202x, Accident Analysis for Aircraft Crash into Hazardous Facilities* (new standard)—PINS submitted 7/13/2021

- ANS-57.11-202x, *Integrated Safety Assessments for Nonreactor Nuclear Facilities* (new standard); may be offered for trial use—PINS submitted 2/25/2015

- ANSI/ANS-58.16-2014 (R2025), *Safety Categorization and Design Criteria for Nonreactor Nuclear Facilities* (reaffirmation of ANSI/ANS-58.16-2014; R2020)—Approved 5/5/2025

NRNFCC has no delinquent standards. The following standard is due for maintenance.

Staffing Need (member, chair, etc.) # of positions	Standard #	Date Need Identified (Estimated)	Priority (H, M or L)*	Date Need Filled	Source**	Date-Actions Taken to Fill Need (Estimated)
Members	NRNFCC	2021	H	ASAP	a, b, c, d, e, i	2021– current
Members	ANS-58.16	2021	H	ASAP	a, d, e	2021– current

\* High (H), medium (M), or low (L) priority based on priority of standard or reaffirmation time limit.  
 \*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors. h. internet search. i. other

# LLWRCC Chair's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development/Approval (1)

- ANS-56.8-202x, *Containment System Leakage Test Requirements* (revision of ANSI/ANS-56.8-2020)

## Standards in Development – Approved PINS (6)

- ANS-3.5.1-202x, *Nuclear Power Plant Simulators for Use in Simulation-Assisted Engineering and Non-Operator Training* (proposed new standard)—PINS submitted 12/14/2018
- ANS-3.13-202x, *Nuclear Plant Reliability Assurance Program (RAP) Development Guidance for Design, Construction, and Operation* (new standard)—PINS submitted 2/25/2014
- ANS-3.15-202x, *Risk-Informing Critical Digital Assets (CDAs) for Nuclear Power Plant Systems* (proposed new standard)—PINS submitted 5/26/2020
- ANS-56.2-202x, *Containment Isolation Provisions for Fluid Systems After a LOCA* (new standard, historical revision of ANS-56.2-1984; W1999)—PINS submitted 6/27/2019 (@ SubC/NDCC review)
- ANS-60.1-202x, *Civilian Nuclear Export Controls* (proposed new standard)—PINS submitted 8/5/2021
- ANS-GD-3.8.x-202x, *Guidance for Risk-Informing Emergency Preparedness Programs for Nuclear Facilities* (new guidance document)—PINS submitted 10/27/2022

## Standards at Ballot/Resolving Comments (2)

- ANS-18.1-2020 (R202x), *Radioactive Source Term for Normal Operation of Light Water Reactors* (reaffirmation of ANSI/ANS-18.1-2020)
- ANS-58.9-2002 (R202x), *Single Failure Criteria for Light Water Reactor Safety-Related Fluid Systems* (reaffirmation ANSI/ANS-58.9-2002; R2020)—approved by LLWRCC; SB ballot pending close of public review 7/7/2025

## Standards Approved/Published in 2025 (3)

- ANSI/ANS-3.1-2014 (R2025), *Selection, Qualification, and Training of Personnel for Nuclear Power Plants* (reaffirmation of ANSI/ANS 3.1-2014; R2020)—approved 3/5/2025
- ANS-59.51-1997 (R202x), *Fuel Oil Systems for Safety-Related Emergency Diesel Generators* (reaffirmation of ANSI/ANS-59.51-1997; R2020)—approved by LLWRCC; pending ANSI approval
- ANS-59.52-1998 (R202x), *Lubricating Oil Systems for Safety-Related Emergency Diesel Generators* (reaffirmation of ANSI/ANS-59.52-1998; R2020)—approved by LLWRCC; pending ANSI approval

## Delinquent Standards (5+ years since ANSI approval) (0)

No delinquent standards. Standards requiring maintenance in 2025:

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-51.10-2020	Auxiliary Feedwater System for Pressurized Water Reactors	E. Johnson	10/23/2020	To keep current, maintenance to be completed by 10/23/2025 Pending withdrawal
ANS-56.8-2020	Containment System Leakage Testing Requirements	J. Glover	12/11/2020	Maintenance to be completed before 12/11/2025.

## Responses to Inquiries in Development/Approval (2)

- Inquiry received 4/17/2025 on ANS-3.1-2014 (R2025), *Selection, Qualification and Training of Personnel for Nuclear Power Plants*, from Tennessee Valley Authority  
STATUS: Working group addressing LLWRCC comments on draft response.

## Membership Changes/BOI Changes (since last meeting)

- Ahmad Al Rashdan, Idaho National Laboratory, was confirmed as the Simulators, Instrumentation, Control Systems, Software & Testing Subcommittee chair effective 5/30/2025.
- N.K. Anand, Texas A&M University, was confirmed as a member in the "University" category effective 5/23/2025.

\*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors, h. internet search, i. other



# JCNRM Chairman's Report to the ANS Standards Board

## June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

(See the [JCNRM Milestone Schedule](#) for additional information.)

### **PINS in Development/Approval (0)**

#### **Standards/Guidance Documents in Development – Approved PINS (5)**

- ASME/ANS RA-S-1.4-202x, *Advanced Non-Light Water Reactor (NLWR) PRA Standard* (revision of ASME/ANS RA-S-1.4-2021)
- ASME/ANS RA-S-1.5-202x, *Advanced Light Water Reactor (ALWR) PRA Standard* (trial-use standard)
- ASME/ANS RA-S-1.6-202x (ANS/ASME-58.22-2014), *Standard for Low Power and Shutdown Methodology for PRA Applications* (revision of trial use standard/new standard)
- ASME/ANS RA-S-1.7-202x, *Standard for Multi-Unit PRA (MUPRA)* (trial use standard)
- ASME/ANS RA-S-1.8-202x, *Guidance Document for Risk Informing Physical Security and Cyber Security Programs at Nuclear Facilities* (new guidance document)

#### **Standards at Ballot, Resolving Comments, or Public Review (1)**

- ANSI/ASME/ANS RA-S-1.1-2024, *Standard Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications* (**Proposed Code Case:** Alternative Approach to Determination of Significance)

#### **Standards Recently Approved/Published in 2025 (1)**

- ANSI/ASME/ANS RA-S-1.3-2025, *Standard for Radiological Accident Offsite Consequence Analysis (Level 3 PRA) to Support Nuclear Installation Applications* (revision of trial-use standard ASME/ANS RA-S-1.3-2017)—Approved 2/12/2025

#### **Delinquent Standards (5+ years since ANSI approval) (0)**

JCNRM has no delinquent standards.

#### **Responses to Inquiries (0)**

JCNRM has no open inquiries.

#### **Interfacing Activities**

- SCoRA is supporting the development of the Risk Informed Emergency Preparedness Guidance Documents to ensure the project has appropriate expertise in risk informing.
- SCORA has also participated in the review of numerous standards (ANS, ASME, and others) such as ANS-2.35 and ANS-54.8.

#### **Membership Changes (since last meeting)**

No recent membership changes.

#### **Volunteer Staffing Needs**

None

# FWDCC Chairman's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development/Approval (1)

- ANS-57.1, *Design Requirements for Light Water Reactor Fuel Handling Systems* (revision of ANSI/ANS-57.1-1992; R2024)—Standards Board comments remain unresolved

## Standards in Development – Approved PINS (4)

- ANS-55.6-202x, *Liquid Radioactive Waste Processing System for Light Water Reactor Plants* (historic revision of ANS-55.6-1993; R1999)—PINS submitted 5/4/2021
- ANS-57.2-202x, *Design Requirements for Light Water Reactor Spent Fuel Facilities at Nuclear Power Plants* (reinvigoration of historical standard ANS-57.2-1983)—PINS submitted 2/8/2013
- ANS-57.9-202x, *Design Criteria for an Independent Spent Fuel Storage Installation (Dry Type)*, (reinvigoration of historical standard ANS-57.9-1992; R2000)—PINS submitted 2/12/2020
- ANS-57.10-202x, *Design Criteria for Consolidation of LWR Spent Fuel* (revision of ANS-57.10-1996; R2021)—PINS submitted 2/5/2025

## Standards at Ballot/Resolving Comments (1)

- ANS-57.8-2020 (R202x), *Fuel Assembly Identification* (reaffirmation of ANSI/ANS-57.8-2020)—approved by the FWDCC; SB approval pending.

## Standards Approved/Published in 2025 (0)

## Erratum Issued

ANSI/ANS-55.1-2021 Erratum, *Solid Radioactive Waste Processing System for Light-Water-Cooled Reactor Plants*, was issued to correct an error in Table 4. The volume per day for a high-purity radwaste demineralizer is listed as 1(0.28) with units of [ft<sup>3</sup>/day (m<sup>3</sup>/day)]. The value in metric units should be 0.028 (not 0.28).

## Delinquent Standards

FWDCC has no delinquent standards. Standard requiring maintenance in 2025:

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-40.37-2009 (R2021)	Mobile Low-Level Radioactive Waste Processing Systems	C. Miller	2/22/2021	Maintenance to be completed by 2/22/2026
ANS-55.1-2021	Solid Radioactive Waste Processing Systems for Light Water Cooled Reactor Plants	C. Miller	2/2/2021	Maintenance to be completed by 2/2/2026
ANS-57.10-1996 (R2021)	Design Criteria for Consolidation of LWR Spent Fuel	V. Thangam	1/28/2021	Maintenance to be completed by 1/28/26

## Responses to Inquiries

FWDCC has no open inquiries.

## Membership /BOI Changes (since last meeting)

- Harry Felsher, NRC, resigned from the FWDCC effective 5/21/2025.
- Steven Schilthelm, BWXT, resigned from the FWDCC effective 5/22/2025.
- John Stamatakis resigned from the FWDCC effective 6/4/2025 in advance of his retirement from Southwest Research Institute.

## **Volunteer Staffing Needs**

<b>Staffing Need (Member, chair, etc.)# of positions</b>	<b>Standard # / (Responsible Chair)</b>	<b>Date Need Identified (Estimated)</b>	<b>Priority (H or M)*</b>	<b>Date Need Filled</b>	<b>Source**</b>	<b>Date-Actions Taken to Fill Need (Estimated)</b>
Members/possibly chair too?	ANS-40.35 (D. Gerboth / R. Howard)	pre-dates FWDCC	M		d, e, f	various 2014 - current
Chair & members	ANS-57.1 (J. Scaglione)	pre-dates FWDCC	M		d, e, f	Chair role since 2024 Members various 2014 – current
Chair	ANS-57.3 (J. Scaglione)	2021	M		d, e	various 2021 - current
Vice Chair	Decommissioning (Commercial & Research Facilities) SubC (J. Vajda/J. Lucchini)	2014	M		d, e, f	various 2014 - current
Vice Chair	New and Used Fuel (Design Only) SubC (J. Scaglioni/J. Lucchini/)	2014	M		d, e, f	various 2014 - current

\* High (H) or medium (M) priority based on priority of standard or reaffirmation time limit.

\*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors, h. internet search, i. other

# ESCC Chairman's Report to the ANS Standards Board

June 17, 2025 • ANS Annual Meeting • Chicago Marriott Downtown

## PINS in Development /Approval (0)

### Standards in Development – Approved PINS (7)

- ANS-2.3-202x, *Estimating Tornado, Hurricane, and Extreme Straight-Line Wind Characteristics at Nuclear Facility Sites* (revision of ANSI/ANS-2.3-2011; R2016; R2021)—PINS submitted 10/22/2022
- ANS-2.15-202x, *Criteria for Modeling and Calculating Atmospheric Dispersion of Routine Radiological Releases from Nuclear Facilities* (revision of ANS-2.15-2013; R2017; R2021)—PINS submitted 10/25/2022)
- ANS-2.18-202x, *Evaluating Radionuclide Transport in Surface Water for Nuclear Facilities* (new standard)—PINS submitted 3/8/2022
- ANS-GD-2.22-202x, *Environmental Radiological Monitoring at Nuclear Facilities* (guidance document)—PINS submitted 4/24/2018
- ANS-2.26-202x, *Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design* (revision of ANSI/ANS-2.26-2004; R2021)—PINS submitted 10/1/2019
- ANS-2.32-202x, *Guidance on the Selection and Evaluation of Remediation Methods for Subsurface Contamination* (new standard)—PINS submitted 1/25/2021
- ANS-2.34-202x, *Characterization and Probabilistic Analysis of Volcanic Hazards* (new standard)—PINS submitted 9/28/2017

### Standards at Ballot/Resolving Comments (1)

- ANS-2.35-202x, *Guidelines for Conducting Socioeconomic Impact Assessments of Nuclear Facility Sites* (new standard)—PINS submitted 5/20/2019; revised PINS submitted 2/27/2025.

### Standards Approved/Published in 2025 (5)

- ANSI/ANS-2.2-2016 (R2025), *Earthquake Instrumentation Criteria for Nuclear Power Plants* (reaffirmation of ANSI/ANS-2.2-2016; R2020)—approved 6/2/2025
- ANSI/ANS-2.23-2016 (R2025), *Nuclear Power Plant Response to an Earthquake* (reaffirmation of ANSI/ANS-2.23-2016; R2020)—approved 6/2/2025
- ANSI/ANS-2.27-2020 (R2025), *Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments* (reaffirmation of ANSI/ANS-2.27-2020)—approved 4/15/2025
- ANSI/ANS-2.29-2020 (R2025), *Probabilistic Seismic Hazard Analysis* (reaffirmation of ANSI/ANS-2.29-2020)—approved 3/25/2025
- ANSI/ANS-2.30-2015 (R2025), *Criteria for Assessing Tectonic Surface Fault Rupture and Deformation at Nuclear Facilities* (reaffirmation ANSI/ANS-2.30-2015; R2020)—approved 3/5/2025

### Delinquent Standards (5+ years since ANSI approval) (0)

No delinquent standards. The following standards are next up for maintenance:

Designation	Title	Working Group Chair	ANSI Approval	Action Needed By
ANS-2.3-2011 (R2021)	Estimating Tornado, Hurricane, and Extreme Straight Line Wind Characteristics at Nuclear Facility Sites	D. Bruggeman	7/19/2021	Maintenance to be completed by 7/19/2026
ANS-2.15-2013 (R2021)	Criteria for Modeling and Calculating Atmospheric Dispersion of Routine Radiological Releases from Nuclear Facilities	J. Ciolek & S. Davis	11/11/2021	Maintenance to be completed by 11/11/2026
ANS-2.17-2010 (R2021)	Evaluation of Subsurface Radionuclide Transport at Commercial Nuclear Power Plants	T. Rasmussen	6/28/2021	Maintenance to be completed by 6/28/2026
ANS-2.26-2004 (R2021)	Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design	D. Clark & H. Phan	12/10/2021	Maintenance to be completed by 12/10/2026

## Responses to Inquiries

No open inquiries.

## Membership/BOI Changes (since last meeting)

- Amir Bahadori, Kansas State University, resigned from the ESCC effective 5/19/2025.
- Timothy Moore, Individual, resigned from the General & Monitoring Subcommittee Vice Chair role and as an ESCC member effective 5/19/2025.
- James O'Brien retired from DOE and was reclassified to the "Individual" category effective 3/3/2025.
- Matthew Sanderson, Y-12 National Security Complex, was approved as an ESCC member in the "National Laboratory/Government Facilities" category effective 6/5/2025.

## Volunteer Staffing Needs

Staffing Need (member, chair, etc.) # of positions	Standard # (Responsible Chair)	Date Need Identified (Estimated)	Priority (H, M or L)*	Date Need Filled	Source**	Date-Actions Taken to Fill Need (Estimated)
Chair	ANS-2.6 (Leah Parks)	2024	H		d, e	2024 – current
Chair	ANS-2.10 (Yong Li)	2023	H		d, e	2023 - current
Members	ANS-2.15 (John Ciolek & Sarah Davis)	11/6/2024	H		a	2024 – current NOTE: The WGCs are looking for a specific skill set.
Chair	ANS-2.23 (Yong Li)	2023	H		d, e	2023 - current
SubC Chair	Hydrogeological (Carl Mazzola & Leah Parks)	2024	H		d, e	2024 - current
SubC Vice Chairs (2)	<ul style="list-style-type: none"><li>• Hydrogeological</li><li>• Environmental Impact</li><li>• General &amp; Monitoring (Carl Mazzola &amp; Leah Parks)</li></ul>	2014-2018  5/19/2025	L		d, e	2014 - current

\* High (H), medium (M), or low (L) priority based on priority of standard or reaffirmation time limit.

\*\*a. Personal contact, b. standards manager (ANS staff), c. ANS SC referral, d. ANS publication, e. ANS website, f. LinkedIn post, g. conference speakers and paper authors, h. internet search, i. other