

NCSCC Chairman's Report to the ANS Standards Board

November 11, 2025 • ANS Winter Conference • Washington Hilton

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 (4)

- 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
- ANSI/ANS-8.27-2020 (R2025), *Burnup Credit for LWR Fuel* (reaffirmation of ANSI/ANS-8.27-2020)—ANSI approved 9/15/2025

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/Maintenance to be completed 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	8/16/2026.
ANS-8.14-2004 (R2021)	Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors	K. Wessels	8/5/2021	8/5/2026.
ANS-8.22-1997 (R2021)	Nuclear Criticality Safety Based on Limiting and Controlling Moderators	M. Crouse & L. Paulson	12/7/2021	12/7/2026

Responses to Inquiries in Development

An inquiry was received 2/26/2025 on ANSI/ANS-8.10-2015 (R2025), *Criteria for Nuclear Criticality Safety Controls in Operations With Shielding and Confinement*, from Konner Casanova/INL. A draft response was issued to the ANS-8 Subcommittee with a close date of 6/5/2025. A number of negatives were received. Most were resolved. The working group is addressing the remaining negatives.

Membership Changes (since last meeting)

Catherine Percher, Lawrence Livermore National Laboratory, was confirmed as a member voting in the National Laboratories/Government Facilities category 8/20/2025

Ellen Saylor, Boston Government Services, LLC, was confirmed as a member voting in the National Laboratories/Government Facilities category 8/28/2025.

Volunteer Staffing Needs

The terms of Larry Wetzel, NCSCC chair, and Randy Shackelford, NCSCC vice chair, end 2/27/2026. Members have the opportunity to express interest in these leadership roles for the term 2/7/2026 through 2/7/2029.