

# Nuclear Criticality Safety Consensus Committee (NCSCC)

## List of Standards & Projects (1/10/18)

Chair: Larry L. Wetzel

Vice Chair: William R. Shackelford

### Fissionable Materials Outside Reactors Subcommittee (ANS-8)

Subcommittee Chair: Douglas Bowen / Subcommittee Vice Chair: Kevin Reynolds

18 Current Standards

1 Proposed New Standard

Ⓢ = PINS submitted to ANSI

ANS-8.1-2014Ⓢ	Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors	RV 4/15/2014 (WGC: N. Brown)
ANS-8.3-1997 (R2017) Ⓢ	Criticality Accident Alarm System	RF 10/25/2017 (WGC: D. Bowen [temp])
ANS-8.5-1996 (R2017)	Use of Borosilicate-Glass Raschig Rings as a Neutron Absorber in Solutions of Fissile Material	RF 11/14/2017 (WGC: J. Hicks)
ANS-8.6-1983 (R2017)	Safety in Conducting Subcritical Neutron-Multiplication Measurements In Situ	RF 8/24/2017 (WGC: W. Myers)
ANS-8.7-1998 (R2017) Ⓢ	Nuclear Criticality Safety in the Storage of Fissile Materials	RF 12/14/2017 (WGC: K. Kimball)
ANS-8.10-2015	Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement	RV 2/12/2015 (WGC: A. Prichard)
ANS-8.12-1987 (R2016) Ⓢ	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors	RF 5/6/2016 (WGC: C. Tripp)
ANS-8.14-2004 (R2016)	Use of Soluable Neutron Absorbers in Nuclear Facilities Outside Reactors	RF 6/29/2016 (WGC: L. Berg)
ANS-8.15-2014	Nuclear Criticality Control of Special Actinide Elements	RV 10/10/2014 (WGC: C. Rombough)
ANS-8.17-2004 (R2014)	Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors	RF 7/28/2014 (WGC: E. Saylor)
ANS-8.19-2014	Administrative Practices for Nuclear Criticality Safety	RV 7/28/2014 (WGC: J. Miller)
ANS-8.20-1991 (R2015) Ⓢ	Nuclear Criticality Safety Training	RF 8/3/2015 (WGC: R. Knief/D. Hill)
ANS-8.21-1995 (R2011) Ⓢ	Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors	RF 5/19/2011 (WGC: D. Erickson)
ANS-8.22-1997 (R2016)	Nuclear Criticality Safety Based on Limiting and Controlling Moderators	RF 10/17/2016 (WGC: M. Crouse)
ANS-8.23-2007 (R2012) Ⓢ	Nuclear Criticality Accident Emergency Planning and Response	RF 5/31/2012 (WGC: J. Baker)
ANS-8.24-2017	Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations	RV 12/12/2017 (WGC: L. Wetzel)
ANS-8.26-2007 (R2016) Ⓢ	Criticality Safety Engineer Training and Qualification Program	RF 12/15/2016 (WGC: K. Reynolds)
ANS-8.27-2015	Burnup Credit for Light Water Reactor Fuel	RV 11/10/15 (WGC: D. Lancaster)
ANS-8.28 (NEW) Ⓢ	Administrative Practices for the Use of Non-Destructive Assay Measurements for Nuclear Criticality Safety	Active Project WGC: J. Chapman