

Status of TECDOCs, Safety Reports, Handbooks and Standard Review Plan (as of May 2026)

Division of Nuclear Installation Safety

S.No	Title	Technical Officer	Status
Published			
1.	TECDOC-2112: Obsolescence Management of Nuclear Power Plants	B. Lehman / OSS	Published Link
2.	TECDOC-2115: International Experience in the Regulation of Fusion Facilities	M. Ascic / RAS	Published Link
3.	TECDOC-2105: Information Sharing Framework for Regulatory Reviews of Advanced Reactors IAEA Nuclear Harmonization and Standardization Initiative	Paula Calle Vives RAS)M. Ascic (RAS)	Published Link
4.	TECDOC-2118: Multinational Pre-Licensing Joint Regulatory Review of Advanced Reactor Designs IAEA Nuclear Harmonization and Standardization Initiative	Brett Rini (RAS) Paula Calle Vives (RAS)	Published Link
5.	TECDOC-2109: Initiating the Safety Infrastructure for a Nuclear Power Programme	Jean-Rene Jubin, R. Gomaa (RAS)	Published Link
With Publication Committee			
6.	Safety Report: Development and Implementation of Severe Accident Management Programmes for Nuclear Power Plants	M. Gajdos / SASI. Zaidi / SAS	Under PC review
7.	TECDOC: Probabilistic Safety Assessment for Evaluation of Nuclear Installations against Tsunami Hazard	K. Sugaya/EESS	Under PC review
8.	TECDOC Equipment Qualification Acceptance Criteria	G. Petofi/OSS	In publication
9.	Safety Report: Safety Aspects of Ageing Management During Design, Construction and Commissioning of Nuclear Power Plants	G. Petofi/OSS	PC approved, preprint available , waiting for editing
10.	TECDOC: Application of Seismic Experience Data in Seismic Safety Evaluation of Nuclear Installations	S.Mcduffie/ EESS	Under PC review
11.	Safety Report: Generic Roadmap for Establishing the Nuclear Safety Infrastructure for a First Nuclear Power Plant Reactor	R. Gomaa (RAS) Jean-Rene Jubin (RAS) M. Aoki (RAS)	Under PC review
Draft in finalisation stage - prior to submittal to the Publication Committee			
12.	TECDOC: Safety Aspects of Equipment Qualification for Design Extension Conditions in Nuclear Power Plants	M. Liu / SAS	Finalising the report after NSNI-QA
13.	Safety Report: Safety and Regulation Considerations for Fusion Facilities	J. Luis Hernandez / SAS	Under NSNI QA

14.	TECDOC: Advanced Probabilistic Safety Assessment Approaches and Applications for Nuclear Power Plants	J. Luis Hernandez / SAS D. Sirotkin /SAS	Under NSNI QA
15.	Technical Report: Safety, Security and Safeguards by Design for Small Modular Reactors	J. Luis Hernandez / SAS Z. Stone / SAS	Under NSNI QA
16.	TRS-1000: Use of Safety Analysis Approaches to Support Nuclear Security at Nuclear Installations	S. Poghosyan / SAS D. Sirotkin	Addressing NSNI comments
17.	TECDOC: Regulatory Oversight during Construction and Commissioning of the First Nuclear Reactors: Experience and Lessons Learned	Jong Kap Kim/ RAS R. Gomaa/ RAS F. Nasser/ RRSS M.A.Javid/RAS	Addressing NSNI comments
18.	TECDOC: Commissioning of Nuclear Power Plants: Challenges and Lessons Learned	L.Micewski (NSNI) T. Hussain A. Dutta Ray (NENP/NPES)	Preparation for NSNI QA
Draft in Preparation			
19.	TECDOC: Volcanic Tephra Fallout Hazard Assessment for Design and Operational Considerations at Nuclear Installations	H. Lee / EESS	DPP approved, at PC
20.	Safety Report: Safety Assessment for Non-Water Cooled Reactors and Small Modular Reactors	S. Poghosyan / SAS (PSA) S. Bznuni / SAS	Advanced draft
21.	TECDOC: Safety Considerations of Molten Salt Reactors	V. Tiberi/ SAS	Draft in preparation
22.	TECDOC: Safety Considerations on High Temperature Gas Cooled Reactors	V. Tiberi/ SAS	Draft in preparation
23.	Safety Report: Deterministic Safety Analysis for operational states and accident conditions at NPPs (revision and update of SRS-23)	T. Veneau/ SAS	Draft in preparation
24.	TECDOC: Demonstration of DiD Implementation using Deterministic and Probabilistic Approaches	T. Veneau/ SAS	Advanced draft
25.	TECDOC: Safety and Security Implications of the Use of Artificial Intelligence in Nuclear Installations	Y.G. Kim / SAS	Draft in preparation
26.	TECDOC: Highlights from Site and External Events Design (SEED) Missions	M. Nariyuki / EESS	At PC
27.	TECDOC: Evaluation of Seismic Soil Liquefaction at Nuclear Installation Sites	K.Sugaya / EESS	DPP approved by CC, at internal QA
28.	Safety Report: Knowledge management for regulatory bodies	G. Macsuga -> R. Hammad/ RAS	Draft under preparation.
29.	Safety Report: Evaluation of Epistemic Uncertainty in Seismic Hazard Assessment for Nuclear Installations	Z. Gulerce / EESS	DPP is approved, draft in preparation. Advanced draft
30.	TECDOC: Developing a Phenomena Identification and Ranking Table, and a Validation Matrix, and Performing a Benchmark	T. Veneau / SAS	Advanced draft

	for In-Vessel Melt Retention – Final Report of a Coordinated Research Project		
31.	TECDOC: Considerations on the Safety of Liquid Metal Cooled Fast Reactors	V. Tiberi /SAS	Advanced draft
32.	TECDOC: Lessons learned from climate-related events at nuclear installations	M.Mahmood / EESS	At APA
33.	Tecdoc: Operational Measures, Adaptation Strategies, Pre- and Post-event Actions for Climate Events	K.Nagasawa / EESS	Draft in preparation
34.	TECDOC: Safety Assessment of Nuclear Installations against Combination of External Hazards	M. Mahmood/ EESS	At APA
35.	IAEA Incident Reporting System for Research Reactors (IRSRR) Guidelines	F. Naseer/ RRSS	DPP approved on 27 June 2024 Draft under preparation
36.	SEED Guidelines n.42 Rev.1	Nariyuki/ EESS	At PC
37.	TECDOC on Consideration of Chemical, Fire and Explosion Safety for Nuclear Fuel Cycle Facilities	L. Valiveti / RRSS	DPP approved by CC on 25 July 2024 Draft ready for NSNI QA
38.	TECDOC: National Policy and Strategy for Safety and Security	J.K. Kim, Z. Shah/ RAS, A. Javaid/ RAS Now collaborating with NSRW, NSNS	draft under preparation
39.	TECDOC: Establishing the Safety Infrastructure for the Safety Design and Safety Assessment of a Nuclear Power Plant	S. Poghosyan Bznuni/ SAS W. Bukhari/SAS	Draft ready for the NSNI QA under preparation
40.	TECDOC on Experiences in Using Probabilistic Safety Assessment in the Design of Nuclear Power Plants	J. Luis Hernandez / SAS	Draft under preparation Changed to development of a training material. Finalized.
41.	TECDOC: Demonstration of Software Adequacy and Reliability of Digital Instrumentation and Control Systems for Nuclear Power Plant Safety	J. Luis Hernandez /SAS Y.G. Kim /SAS	Revision of the draft Preparation for NSNI QA
42.	TECDOC: Progress in the Performance Assessment and Regulation of Passive Safety Features in Advanced NPP Designs	M. Lankin /SAS	Advanced draft
43.	Technical Reports Series 1000+: Design Safety and Security Considerations for Floating Nuclear Power Plants	S. Poghosyan /SAS Z. Stone / SAS	Advanced draft addressing NSNI comments
44.	TECDOC: Major Safety Improvement Programs of Nuclear Power Plants Designed According to Earlier Standards (Part 1 Modernization of Instrumentation and Control)	Y.G. Kim /SAS	Advanced draft
45.	TECDOC: Advanced Manufacturing and Qualification Programmes for New Material of Small Modular Reactors and Non-Water Cooled Reactors	M. Liu /SAS	Draft under preparation Advanced draft
46.	TECDOC: Establishment and Use of of Seismic Monitoring Networks Systems forof Nuclear Installations Sites	Z.Gulcerce /EESS	under drafting Advanced draft

47.	TECDOC: Resourcing and organizing the Regulatory Body to enable effective independence	M. Recio Santamaria / NSRW J.-R. Jubin / NSNI	DPP approved by CC. Under drafting
48.	TECDOC: Siting and design of SMRs in relation to external events	M. Mahmood/ K.Nagasawa/EESS	DPP in preparation
49.	Safety Report: Effect of Climate Change on Assessment of Meteorological and Hydrological Hazards for Nuclear Installations	M. Mahmood/ EESS	Document in drafting
50.	Safety Report: Application of Graded Approach to Site Evaluation Including SMRs	M. Mahmood/M. Salmon/EES	At Incorporating NSNI QA comments
51.	Competence management for regulatory capacity building (update of Safety Report No. 79)	G. Macsuga -> R. Hammad (NSNI) and R. Pacheco Jimenez (NSRW)	Document in drafting
52.	Methodology for the Systematic Assessment of the Regulatory Competence Needs (SARCoN) for Nuclear and Radiation Safety Regulatory Bodies (merging and updating existing two TECDOCs)	G. Macsuga -> R. Hammad (NSNI) and R. Pacheco Jimenez (NSRW)	Document in drafting
DPP in preparation stage			
53.	SR: Seismic Site Response simulation techniques: site specific data and interface with SSI Analysis for Nuclear Installations	Z. Gulerce /EESS	DPP under approval approved, drafting started
54.	SR: Siting for Waste Repository Facilities	M. Salmon /EESS	DPP under preparation
55.	Safety Report Series: Guidance for Safety Analysis Report (SAR) Review of Site Characteristics for Nuclear Installations	H. Lee / EESS	At PC Published SR 129
56.	Safety Report: Design implications of the analysis of safety against unanticipated rare events	M. Salmon/EESS	DPP in preparation
57.	Progress Monitoring System for Nuclear Safety Capacity Building (PROMIS) Guidelines	G. Macsuga -> R. Hammad / RAS	DPP under preparation
58.	National Strategies on Capacity Building for Nuclear Installations Safety	G. Macsuga -> R. Hammad (NSNI)	DPP under preparation
59.	Safety Reports: Use Safety Performance Indicators to enhance the Effectiveness of oversight of Nuclear Power Plants	B. Gabriel (OSS)	DPP approval at PC.