



TopSafe 2017 – scheduled presentations

General Safety

TopSafe2017-A0004	DEVELOPMENT OF DEFENCE-IN-DEPTH EVALUATION METHOD AGAINST EXTERNAL EVENTS	Inagaki, M. (1); Ohtani, M. (1) 1 - Japan Nuclear Safety Institute, Japan
TopSafe2017-A0006	ENISS CONTRIBUTION TO THE HARMONISATION OF THE REGULATORY FRAMEWORK	Vanhoenacker, L. (1); Barbaud, J. (1); Glibert, M. (1) 1 - ENISS, Belgium
TopSafe2017-A0014	BEPU-FSAR: A new paradigm in Nuclear Reactor Safety	Menzel, F. (1); Sabundjian, G. (1); D'Auria, F. (2); Madeira, A. (3) 1 - Instituto de Pesquisas Energéticas e Nucleares (IPEN/CNEN-SP), Brazil 2 - Università degli Studi di Pisa, Italy 3 - Comissão Nacional de Energia Nuclear (CNEN-RJ), Brazil
TopSafe2017-A0015	JANSI's Safety Improvement Activities with IAEA SRS-46	Tominaga, K. (1); Ohtani, M. (1); Kitagawa, H. (1); Ueda, N. (2) 1 - Japan Nuclear Safety Institute, Japan 2 - Central Research Institute of Electric Power Industry, Japan
TopSafe2017-A0018	Lessons Learnt from the UK Generic Design Assessment Process	Moscrop, R. (1); Jones, J. (1); Tehrani, A. (1); Exley, R. (1) 1 - Office for Nuclear Regulation (ONR), United Kingdom
TopSafe2017-A0025	Enhance Nuclear Safety and Reliability of Nuclear Power Plants through Human Resource Development	Kugo, A. (1) 1 - Japan Nuclear Safety Institute, Japan
TopSafe2017-A0037	University of Utah Nuclear Engineering Program's Metamorphosis of Public Perception of Nuclear Energy	Schow, R. (1); Jevremovic, T. (1) 1 - University of Utah Nuclear Engineering Program, United States
TopSafe2017-A0040	Views on Defence in Depth implementation	Veneau, T. (1); Laroche, S. (1); Barbaud, J. (2) 1 - EDF DIPNN SEPTEN, France 2 - EDF DIPNN DTI, France
TopSafe2017-A0047	ORGANIZATIONAL RESILIENCE. How to deal with on-going turbulences? a business & people case	Unkrig, E. (1) 1 - AREVA GmbH, Germany
TopSafe2017-A0054	MANAGEMENT OF NUCLEAR SAFETY AND SECURITY SYNERGY	Leonida Lucian, B. (1) 1 - SPAREX Nuclear 3S Ltd., Romania
TopSafe2017-A0060	Utilisation of Best Estimate System Codes and BEPU Methods in Licensing Safety Analyses	Macek, J. (1) 1 - UJV Rez, a.s., Czech Republic



TopSafe2017-A0061	CANADIAN REGULATORY EXPERIENCE WITH THE USE OF PSR IN SUPPORT OF CONTINUED SAFE OPERATION	Omar, A. (1); Overton, H. (1); Rzentkowski, B. (1); Viktorov, A. (1) 1 - Canadian Nuclear Safety Commission, Canada
TopSafe2017-A0062	Defence in Depth and practical elimination of early and large releases – concepts and practice.	Modro, S. M. (1); Bajcs, T. (2); Lyubarski, A. (3) 1 - N.IN.E. - Nuclear and INDUSTRIAL Engineering S.r.l. , Italy 2 - ENCONET, Croatia 3 - Atomenergoprojekt, Russian Federation
TopSafe2017-A0064	Applying Probabilistic Concepts in External Flooding Applications at Nuclear Power Plants	Dababneh, A. (1); Schwartz, M. (1) 1 - RIZZO Associates, United States
TopSafe2017-A0070	DEFENCE IN DEPTH INTERNALIZATION IN CAREM PROTOTYPE AND BASIS FOR SAFETY CLASSIFICATION OF STRUCTURES SYSTEMS AND COMPONENTS	Giménez, M. O. (1); Zanocco , P. G. (1); Quiroga, D. (1) 1 - Comisión Nacional de Energía Atómica, Argentina
TopSafe2017-A0077	Has Japan Overcome the Impact of Fukushima?: interaction between the government and the civil society over nuclear safety issues	Nakagawa, Y. (1) 1 - Tokyo Institute of Technology, Japan
TopSafe2017-A0078	The Five Essential Elements of Severe Accident Management to be Developed as Part of an Industry Standard	Vayssier, G. (1) 1 - Nuclear Safety Consultancy Netherlands (NSC Netherlands), Netherlands
TopSafe2017-A0089	AP1000® Plant United Kingdom Generic Design Assessment (GDA) Closeout Efforts	Friedman, B. (1) 1 - Westinghouse Electric Company, United States

Safety Analysis and Assessment

TopSafe2017-A0008	Effectiveness of Depressurization and Injections Strategies during Extended SBO for BWRs	Wang, T.-Y. (1); Hsu, Y.-T. (1); Chen, S.-W. (1); Wang, J.-R. (1); Shih, C. (1) 1 - National Tsing Hua University , Taiwan
TopSafe2017-A0021	Novel Approach to Improved Concrete Strength for Enhanced Safety and Durability of the Nuclear Power Plant Operation	Burnham, S. (1); Jevremovic, T. (1) 1 - The University of Utah, United States
TopSafe2017-A0022	Development of a new seismic PRA code for uncertainty analysis	Muramatsu, K. (1); Uchiyama, T. (2); Muta, H. (1); Nishida, A. (3) 1 - Tokyo City University, Japan 2 - CSA of Japan Co., Ltd., Japan 3 - Japan Atomic Energy Agency, Japan



TopSafe2017-A0048	IDENTIFICATION OF THERMAL-HYDRAULIC PHENOMENA FOR VALIDATION OF BEST-ESTIMATE COMPUTER CODES	Glaeser, H. (1); Aksan, N. (2); D'Auria, F. (3) 1 - Consultancy, Germany 2 - Scientific Consultancy, Switzerland 3 - University of Pisa, Italy
TopSafe2017-A0053	Re-assessment of RELAP/SCDAPSIM/MOD3.x using Historical Integral Experiments	Hohorst, J. (1); Allison, C. (1) 1 - Innovative Systems Software, United States
TopSafe2017-A0071	ATWS control by a Boron Injection System in CAREM-25	Hegoburu, P. (1); Giménez, M. (1); Zanocco, P. (1) 1 - Comisión Nacional de Energía Atómica, Argentina
TopSafe2017-A0072	ONGOING ACTIVITIES OF THE WORKING GROUP ON ACCIDENT MANAGEMENT AND ANALYSIS (CSNI/WGAMA)	Herranz, L. E. (1); Jacquemain, D. (2); Sandberg, N. (3) 1 - CIEMAT, Spain 2 - IRSN, France 3 - NEA, France
TopSafe2017-A0091	Reactor Coolant Pump Seal Enhancements Including Post-Fukushima Solutions	Lapresti, M. (1); Skocik, M. (1); Gauthier, J.-L. (2) 1 - Westinghouse Electric Corporation, United states 2 - Westinghouse Electric Belgium, Belgium

External Hazards

TopSafe2017-A0057	Non-seismic External Event Level 1 PSA for the WWER440 Type Reactors in Slovakia	Kovacs, Z. (1); Spenlinger, R. (1) 1 - RELKO Ltd, Slovakia
TopSafe2017-A0088	Simplified High Winds Risk Assessments	Hope, K. (1) 1 - Westinghouse Electric Company, United States

Severe Accidents

TopSafe2017-A0009	DEVELOPMENT OF ORGANIC IODINE ADSORBENTS	Wang, J. (1); Kobayashi, T. (1); Uzuyama, Y. (1); Endo, K. (2) 1 - Advanced Microelectronics Materials Development Centre, Rasa Industries, Ltd, Japan 2 - Electronic Material Department, Rasa Industries, Ltd, Japan, Japan
TopSafe2017-A0013	Analysis of Eutectic and Metallic Melt Flow and Blockage in BWR Control Rod Guide Tube by MPS Method	Goto, Y. (1); Yamaji, A. (1) 1 - Waseda University, Japan



TopSafe2017-A0027	Trends in severe accident research in Europe: SARNET network from Euratom to NUGENIA	Van Dorsselaere, J.-P. (1); Bréchnignac, F. (1); De Rosa, F. (2); Herranz, L. E. (3); Kljenak, I. (4); Miassoedov, A. (5); Piluso, P. (6) 1 - Institut de Radioprotection et de Sûreté Nucléaire (IRSN), France 2 - Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico (ENEA), Italy 3 - Centro de Investigaciones Energeticas Medioambientales y Tecnológicas (CIEMAT), Spain 4 - Institut Jozef Stefan (IJS), Slovenia 5 - Karlsruher Institut fuer Technologie (KIT), Germany 6 - Commissariat à l'Energie Atomique et aux Energies Alternatives, France
TopSafe2017-A0030	Severe Accident Consequence Assessment for Chinshan NPP in Taiwan Using MELCOR2.1 and WinMACCS	Chiang, Y. (1); Wang, J.-R. (2); Chen, S.-W. (1); Hsu, W.-S. (3); Shih, C. (2) 1 - Institute of Nuclear Engineering and Science, National Tsing Hua University, Taiwan 2 - Nuclear and New Energy Education and Research Foundation, Taiwan 3 - Nuclear Science and Technology Development Center, National Tsing Hua University, Taiwan
TopSafe2017-A0044	Development and Preliminary Application of the Methodologies for Evaluating Severe Accident Management Program	Cho, Y. J. (1); Lim, J. T. (1) 1 - Korea Institute of Nuclear Safety, Korea, Republic of
TopSafe2017-A0051	Analysis of Molten-Corium Concrete Interaction for Small Modular Reactor	Kim, S. H. (1); Park, J. H. (1); Kim, H. Y. (1); Park, R.-J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
TopSafe2017-A0056	NUMERICAL INVESTIGATION OF THE RECRITICALITY OF THE MOLTEN CORIUM BASED ON HEAVY METALS DURING SEVERE ACCIDENT IN LIGHT WATER REACTOR	Popov, D. (1); Runeval, O. (2) 1 - Rusatom Service Ltd., Moscow, Branch Bulgaria, Bulgaria 2 - Royal Institute of Technology, Stockholm, Sweden, Sweden
TopSafe2017-A0058	In Vessel Melt Retention Strategy(IVMR) for VVER 1000 – Status of Work	Zdarek, J. (1) 1 - UJV Rez a.s., Czech Republic

Fukushima

TopSafe2017-A0011	Design for protection against external events in Tepco's Kashiwazaki-Kariwa Nuclear Power Station	Watanabe, M. (1); Ooyama, Y. (1) 1 - Tokyo Electric Power Company Holdings, Inc., Japan
TopSafe2017-A0012	Decommissioning and Environmental Remediation Scenario Development for Fukushima Daiichi	Kawamura, H. (1); Yashio, S. (2); Mckinley, I. (3) 1 - mcm japan, Japan 2 - Obayashi Corporation, Japan 3 - McKinley Consulting, Switzerland



TopSafe2017-A0023	Present Situation and Trends of Nuclear Power in Japan after Fukushima Accident	Matsuura, S. (1); Yamazaki, H. (1); Kugo, A. (1) 1 - Japan Nuclear Safety Institute, Japan
TopSafe2017-A0024	Analysis of an postulated ELAP event in Maanshan NPP using TRACE code	Huang, C.-F. (1); Yang, J.-H. (1); Chen, S.-W. (1); Wang, J.-R. (1); Shih, C. (1) 1 - National Tsing Hua University, Taiwan
TopSafe2017-A0038	ENUSA-JUZBADO PLANT STRESS TEST APPROACH AND ACTIONS TAKEN	Zurron-Cifuentes, O. (1); Escandon-Ortiz, E. (1); Blanco-Fernandez, L. (1) 1 - ENUSA INDUSTRIAS AVANZADAS S.A., Spain
TopSafe2017-A0052	Decision Making Methodology of Cost-benefit Analysis Based on Probabilistic Safety Assessment for Accident Mitigation Alternatives	Kim, S. H. (1); Kang, H. G. (2); Chang, S. H. (3); Jeong, Y. H. (4) 1 - Korea Atomic Energy Research Institute, Korea, republic of 2 - Rensselaer Polytechnic Institute, Korea, republic of 3 - Handong Global University, Korea, republic of 4 - Korea Advanced Institute of Science and Technology, Korea, republic of
TopSafe2017-A0075	Severe NPP Accident Management by Integrated Drone-Based Monitoring System	Kharchenko, V. (1); Sachenko, A. (2); Kochan, V. (2); Yanovsky, M. (1) 1 - National Aerospace University KhAI, RPC Radiy, Ukraine 2 - Ternopil National Economic University, Ukraine

Fuel

TopSafe2017-A0020	A safety fuel element assessment by using new materials and advanced modelling tools	Furlano, L. (1); Marino, A. (1); Losada, E. (1); Gustavo, D. (1) 1 - National Atomic Energy Commission, Argentina
TopSafe2017-A0029	An Assessment on the Stability Performance of a PWR with ATF	Riverola Gurruchaga, J. (1); Alvarez Manzanedo, S. (1) 1 - ENUSA Industrias Avanzadas, S.A., Spain
TopSafe2017-A0036	FRACTIONATED DOSAGE OF HYDROGENATED ADDITIVES IN UO ₂ POWDER BLENDING PROCESS	Zurron-Cifuentes, O. (1); Lopez-Marquez, J. (1); Escandon-Ortiz, E. (1) 1 - ENUSA INDUSTRIAS AVANZADAS S.A., Spain
TopSafe2017-A0039	SAFETY ASPECTS IN THE DESIGN OF A NEW STORAGE FACILITY FOR SPENT FUEL AT CNEA	Novara, O. (1); Beuter, O. (1); Ratner, M. (1); Flores, M. (1); Bastida, C. (1); Coppo, A. (1) 1 - NATIONAL COMMISSION OF ATOMIC ENERGY, Argentina



TopSafe2017-A0042	Managing Nuclear Power Plant Safety with FeCrAl Alloy Fuel Cladding	Rebak, R. (1); Gassmann, W. (2); Terrani, K. (3) 1 - GE Global Research, United States 2 - Exelon Generation Company, LLC, United States 3 - Oak Ridge National Laboratory, United States
TopSafe2017-A0045	RELAP/SCDAPSIM/MOD 3.5. analysis of KIT's QUENCH-14 experiment using M5® Cladding Material	Dutkiewicz, O. (1); Marcinkiewicz, K. (1); Shumski, S. (1); Allison, C. (1); Hokorst, J. (1) 1 - Innovative Systems Software, United States
TopSafe2017-A0066	Multiscale Simulation of Crack-Tip Hydride Influenced Crack Propagation Parameters in Zircaloy-4	Suman, S. (1); Khan, M. K. (1); Pathak, M. (1) 1 - Indian Institute of Technology Patna, India
TopSafe2017-A0067	Influence of Anisotropic Factors on Burst Parameters of Zircaloy-4 Cladding during Loss-of-Coolant Accident	Suman, S. (1); Khan, M. K. (1); Pathak, M. (1) 1 - Indian Institute of Technology Patna, India
TopSafe2017-A0085	thermal analysis to assess spent fuel safety: from the CFD modelling to the engineering approach	Penalva, J. (1); Feria, F. (1); Herranz, L. E. (1) 1 - CIEMAT, Spain

LTO

TopSafe2017-A0002	Retrofitting of passive safety systems for plant life-time extension	Pöhlmann, M. (1) 1 - AREVA GmbH, Germany
TopSafe2017-A0031	INTERNATIONAL DATABASE ON HEAVY WATER REACTOR PRESSURE TUBE DIAMETRAL CREEP	Krause, M. (1); Bickel, G. (2) 1 - International Atomic Energy Agency (IAEA) , Austria 2 - Canadian Nuclear Laboratories (CNL) , Canada
TopSafe2017-A0050	On the role of the safety analysis in the plant life extension strategy	Riverola Gurruchaga, J. (1); Corisco Carmona, M. (1) 1 - ENUSA Industrias Avanzadas, S.A., Spain
TopSafe2017-A0081	Westinghouse experience on Aging Management in the Nordic region and general overview of the methodology	Stenlund, M. (1); Eriksson, J. (1); Larsson, P. (1); Göteborg, J. (1); Ståhl, G. (1); Olsson, M. (1); Finne, J. (1) 1 - Westinghouse Electric Sweden AB, Sweden
TopSafe2017-A0084	Ageing Management and Long Term Operation in VVER440	Nozdrovicky, J. (1) 1 - Junoz & Partners Engineering, s.r.o., Slovakia
TopSafe2017-A0090	Strategic Refurbishment Program for Reactor Coolant Pumps and Motors	Gauthier, J.-L. (1); Eric, C. (2); Michael, L. (2) 1 - Westinghouse Electric Belgium, Belgium 2 - Westinghouse Electric Corporation, United states



Research Reactor

TopSafe2017-A0005	Safety analysis for the WWR-K research reactor converted to LEU fuel	Svetlana, K. (1) 1 - WWR-K research reactor, Nuclear Safety Laboratory, Institute of Nuclear Physics, Almaty, Kazakhstan
TopSafe2017-A0063	The BR2 matrix replacement and safety upgrades.	Joppen, F. (1); Van Dyck, S. (1); Van den Branden, G. (1) 1 - SCKCEN, Belgium
TopSafe2017-A0087	ASSESSMENT OF THE TOTAL EFFECTIVE DOSE EQUIVALENT FOR HYPOTHETICAL ACCIDENTAL RELEASE FROM THE LEU GHARR-1 CORE	Simon, A. (1); Francesco, D. (1); Geoffrey, E.-R. (2); Emmanuel, O. D. (2) 1 - Nuclear Research Group of San Piero a Grado, University of Pisa, Italy, Italy 2 - Ghana Atomic Energy Commission, Radiation Protection Institute P. O. Box LG80 Legon-Accra, Ghana, Ghana

Trends in Nuclear Safety

TopSafe2017-A0033	Supersonic Steam Injector as a Passive Core Cooling Injection System	Miwa, S. (1); Endo, H. (1); Moribe, T. (1); Sakashita, H. (1); Mori, M. (1) 1 - Hokkaido University, Japan
TopSafe2017-A0034	IAEA Collaborations on Advancing Water Cooled Reactor Technologies	Jevremovic, T. (1); Yamada, K. (1); Krause, M. (1) 1 - IAEA, Austria
TopSafe2017-A0076	THE PATH TOWARDS A GERMANE SAFETY AND LICENSING APPROACH FOR MODULAR HIGH TEMPERATURE GAS-COOLED REACTORS	Reitsma, F. (1) 1 - International Atomic Energy Agency (IAEA), Austria
TopSafe2017-A0083	A Diverse Passive Fuel Cooling System for Advanced High Temperature Reactors	Pallippattu Krishnan, V. (1); Borgohain, A. (1); Lingade, B. (1) 1 - Bhabha Atomic Research Centre, Mumbai 400085, India
TopSafe2017-A0086	INDEPENDENT ASSESSMENT FOR NEW NUCLEAR REACTOR SAFETY	D'Auria, F. (1); Glaeser, H. (2); Debrecin, N. (3) 1 - University of Pisa, Italy 2 - formerly at GRS, Germany 3 - University of Zagreb, Croatia



Poster

TopSafe2017-A0003	Integrated Systems and Tools for Repeatable Nuclear Knowledge Management Implemented at the University of Utah Nuclear Research Reactor Facility	Schow, R. (1); Jevremovic, T. (1) 1 - University of Utah Nuclear Engineering Program, United States
TopSafe2017-A0007	Safety and Reliability of the Electrical System Based on Optimal Facts Allocation for a Research Reactor	Hassan, H. (1); Shaat, M. (2) 1 - Nuclear and Radiological Regulatory Authority., Egypt 2 - Reactors Department, Atomic Energy Authority, Egypt
TopSafe2017-A0010	The Role of IAEA in Human Capacity Building -Learning and Training-by-Doing Education Programmes Based on the Basic Principle Reactor Simulators	Batra, C. (1); Jevremovic, T. (1) 1 - International Atomic Energy Agency, Austria
TopSafe2017-A0016	The Improvement of Downcomer and Lower-Plenum Model of Chinshan Nuclear Power Plant by Using CFD Simulation	Ku, Y.-T. (1); Tseng, Y.-S. (1); Chen, S.-W. (2); Wang, J.-R. (3); Shin, C. (3); Chang, Y.-F. (3) 1 - National Tsing Hua University Department of Engineering and System Science, National Tsing Hua University, Taiwan 2 - Institute of Nuclear Engineering and Science, National Tsing Hua University, Taiwan 3 - Nuclear and New Energy Education and Research Foundation, Taiwan
TopSafe2017-A0017	Validation of RELAP5 boron model by PKL III test F1.1	Li, F. (1) 1 - Nuclear Power Institution of China, China
TopSafe2017-A0019	Evaluation of Enhanced Thermal Conductivity Nuclear Fuel under Normal and Accident Conditions	Gomes de Souza, D. (1); Teixeira e Silva, A. (1); Giovedi, C. (2); Abe, A. (1) 1 - Instituto de Pesquisas Energéticas e Nucleares (IPEN / CNEN - SP), Brazil 2 - Escola Politécnica da Universidade de São Paulo - Departamento de Engenharia Naval e Oceânica, Brazil
TopSafe2017-A0026	FEATURES OF THE RADIAL REFLECTOR SIMULATION FOR GENERATION OF TWO-GROUP XS FOR THE VVER REACTOR CORE IN SERPENT MONTE CARLO CODE	Usheva, K. (1); Kuten, S. (1); Khruschinsky, A. (1); Babichev, L. (2) 1 - Institute for Nuclear Problems, Belarusian State University, Belarus 2 - Joint Institute for Power and Nuclear Research - Sosny, National Academy of Sciences of Belarus, Belarus
TopSafe2017-A0032	Thermal Hydraulic Analysis on the Transient Phenomena in the Pressure Balancing Line of the Hybrid Safety Injection Tank	Hong, S. (1); Huh, J. (1); Yi, K. (1); Choi, H. (1); Lee, B. (1); Chung, C. (1); Lee, J. (1); Kim, D. (1); Im, I. (1); Park, S. (1) 1 - KEPCO Engineering & Construction Co., Inc., Korea, republic of



TopSafe2017-A0035	U-Mo Monolithic Fuel a Safe Option for Research Reactor	Gomes de Souza, D. (1); Teixeira e Silva, A. (1) 1 - Instituto de Pesquisas Energéticas e Nucleares - IPEN, Brazil
TopSafe2017-A0041	On Cooperation Challenges in Geological Disposal – Safety and Sustainability	Dreimanis, A. (1) 1 - Radiation safety centre of the State Environmental Service, Latvia
TopSafe2017-A0043	Applying Lessons Learned to the Biennial Fuel Inspection of the University of Utah TRIGA Reactor	Burnham, S. (1); Schow, R. (1); Jevremovic, T. (1) 1 - University of Utah, United states
TopSafe2017-A0046	DEVELOPMENT OF A CANDU-6 PLANT MODEL USING GRAPE	Nistor-vlad, R.-M. (1); Dupleac, D. (1); Moraru, D.-E. (1); Allison, C. (2); Hohorst, J. (2) 1 - University Politehnica of Bucharest, Romania 2 - Innovative Systems Software, United states
TopSafe2017-A0049	Complete Loss of Forced Reactor Coolant Flow Accident DAS Verification Study	Zhang, S. (1); Zhang, H. (1) 1 - nuclear power institute of china, China
TopSafe2017-A0059	Conceptual model for a deep geological repository	Constantin, A. (1); Diaconu, D. (1) 1 - Institute for Nuclear Research, Romania
TopSafe2017-A0068	Mathematical Modeling of Thermal Hydraulic Parameters of Supercritical Water Reactor using Alternative Nuclear Fuels	Salem, M. (1); Abdelwahed, A. (2); Fakhry, K. (3); Abu-elyazeed, O. (3) 1 - industry factory, Egypt 2 - Atomic Energy Authority, Egypt 3 - Faculty of Engineering, Mataria, Helwan University, Egypt
TopSafe2017-A0069	Thermal Hydraulic Analysis of Supercritical Water Reactor Cooled By Al ₂ O ₃ Nano Fluid	Elkhouly, A. (1); Abdelwahed, A. (2); Fakhry, K. (3); Abu-elyazeed, O. (3) 1 - Senior Piping Engineer –PDMS designer, Egypt 2 - Nuclear Research Center-Atomic energy Authority, Cairo, Egypt 3 - Faculty of Engineering, Mataria, Helwan University, Egypt
TopSafe2017-A0074	Safety issues of storage of carbowaste from the decommissioning of Chernobyl NPP	Zlobenko, B. (1); Bugera, S. (1) 1 - SI "Institute of Environmental Geochemistry" NAS of Ukraine, Ukraine
TopSafe2017-A0079	Performance Evaluation of Safety Injection Tank for APR1400 Plant	Yoo, S. H. (1); Bang, Y. S. (1) 1 - Korea Institute of Nuclear Safety, Korea, republic of
TopSafe2017-A0080	Regulatory Considerations on Site Release of Nuclear Facilities after the Completion of Decommissioning	Lee, J. (1); Ahn, S. (1) 1 - Korea Institute of Nuclear Safety, Korea, republic of



TopSafe2017-
A0082

The journey to a certified Equipment
Qualification laboratory – Westinghouse
approach and lessons learned

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