ENISS Activities

WASSC 40
November 2015, Vienna

Pierre NOCTURE
ENISS - European Nuclear Installations Safety Standards
Contents

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Ten years ago, on May 2005, when WENRA was about to publish its first draft of Reference levels (RLs), European nuclear operators gathered together:

- To establish a common licensee view on these RLs and to present it to WENRA
- To support an exchange of information on the interaction of license holders with their national regulators, in order to achieve a harmonized set of regulations
- To cooperate with the European Institutions on regulatory issues

They set up ENISS (*European Nuclear Installations Safety Standards*) under the umbrella of FORATOM
ENISS Scope

- ENISS currently represents the European nuclear power plants and nuclear facilities licensees and operators from 16 European countries with nuclear power programme, including Switzerland.

- ENISS activities are focused on **Nuclear Safety**.

- ENISS has a wide range of interactions (with safety authorities, vendors, and all stakeholders).

- ENISS provides technical inputs based on the experience feedback from its members, basis of its legitimacy.
ENISS – Objectives

Be a credible industrial & technical counterpart for safety

- To present the industry position in discussions with WENRA activities and to establish a common licensee view with respect to the “WENRA RLs”
- To strengthen the influence in the revision work of the IAEA Safety Standards
- To cooperate with the European Institutions on regulatory issues in the area of nuclear safety, radiation protection, waste management and decommissioning
- To support an exchange of information about the interaction of license holders with their national regulators, in order to achieve a harmonized set of new regulations
- To support an information platform for the European nuclear license holders with respect to new national and international regulatory activities
- To collaborate with international associations dealing with regulatory issues
ENISS – Membership 2015

- Belgium (Electrabel)
- Bulgaria (Kozloduy NPP)
- Finland (Fortum, TVO)
- Germany (EON, RWE, EnBW)
- Italy (SOGIN)
- Spain (UNESA)
- The Netherlands (EPZ)
- France (EdF, AREVA NC)
- Switzerland (Swissnuclear)
- Czech Republic (CEZ)
- Hungary (Paks NPP)
- Slovakia (Slovenske Elektrarne)
- Romania (Nuclearelectrica)
- United Kingdom (EDF Energy)
- Slovenia (Krško NPP)
- Sweden (EON-Se, Vattenfall AB)
- Ukraine (Energoatom)

All ENISS Members are representing licensees
ENISS Main Activities

- WENRA publications: technical comments and dialogue
- Involvement in the IAEA Safety Standard revision work
- Providing comments on the EU Basic Safety Standards
- Participation in the ENEF (*European Nuclear Energy Forum*) process
- Cooperation with EUR (*European Utility Requirements*: hub to harmonize European utilities views and requirements on LWR) and CORDEL (*Cooperation in Reactor Design Evaluation and Licensing WG*) within WNA
- Deep involvement in the Post Fukushima STORE (*Safety Terms Of REference*) activities (Completed)
Draft WENRA SRL report was issued in November 2012 for stakeholder comments.

The comments and suggested changes put forward by ENISS and some European waste disposal organizations were sent to WENRA WGWD in April 2013.

WENRA WDWG reviewed the draft disposal report, stakeholders comments and sent a revised report in early June 2014.

A stakeholder’s workshop took place on Friday, 4 July 2014, at Brügg, Switzerland.

The report was approved by WENRA at its October 2014 meeting and published on the WENRA’s website in January 2015.
WENRA / RLs for Fuel Storage and Decommissioning

- First Drafts issued in January 2006
- ENISS provided comprehensive comments
- Consultation and discussion between ENISS and WENRA WDWG before stakeholder’s consultation
- Final version of WENRA waste and spent fuel storage report (version 2.2) published in April 2014
- Final version 2.2 of the decommissioning report has been issued in October 2015
IAEA safety Standards

- From 2007 ENISS has an observer status representing the European nuclear industry in IAEA Safety/Security Standards Committees: NUSSC, WASSC, RASSC, NSGC

- Provides comments on a selection of Safety/Security Requirements, Guides and TECDOCs

- Participates in some drafting/consulting groups on safety standards
IAEA Safety Standards

Areas covered: (Priority given on Requirements)

• NPP Design & Operation
• Management Systems
• Assessment and Verification
• Waste Management / Treatment
• Decommissioning
• Radiation Protection (with respect to nuclear safety)
## IAEA Safety Standards: ENISSL involvement (1)

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European Nuclear Energy Forum (1)

- ENEF Working Groups

  - Competitiveness, scenarios
  - Nuclear Legal Roadmap
  - Financing
  - Smart grids
  - Nuclear Installation Safety
  - Waste disposal
  - Training and education
  - Non Proliferation
  - Consultative Process
  - Information & Communication
  - Special events
When the EU established ENEF (Nov 2007) and its working groups, ENISS provided support to the Nuclear Installation Safety sub-working group of ENEF:

- Comments on the 2009 and 2014 European Nuclear Safety Directive
- Inputs to NPP Long-Term Operation (letter from ENEF to EU in May 2014)
- Nuclear severe accident cost assessment
Cooperation with other organizations

- European Utility Requirements (EUR) - 2008
  - EUR involves all European nuclear utilities and since 1992 has developed the requirements for LWR (3th generation)
  - EUR has also performed compliance analyses on 8 designs (EPR, AP1000, VVER AES92, …)

- Cooperation in Reactor Design Evaluation and Licensing (WNA – CORDEL) - 2010
  - WNA-CORDEL Group established in 2007 is composed of representatives of major nuclear vendors and generating companies and has prepared a roadmap “International Standardization of Nuclear Reactor Design”

- ENISS – ICRP
  - ENISS has been granted the status of liaison organization in 2013
Conclusions

• ENISS provided constructive deliverables contributing to the harmonization in Europe
• ENISS light and flexible structure has proved to be efficient
• ENISS achievements are the result of the strong commitment and dedication of all the members
• ENISS will continue to interact with all stakeholders and contribute to the harmonization of the safety rules in Europe.
thank you for your attention