

L. Tomik, E. Kichev Ph.D.
Centre for Nuclear Safety in Central and Eastern Europe (CENS)

Technical Nuclear Expertise in Europe – Institutional Experts

European Union - Today and in Future

- **EU 2003 - 15 Countries, 8 “Nuclear”**
 - 143 NPPs - 32% of all NPPs, 36% of electricity production
- **EU 2004 – 25 Countries - 13 “Nuclear”**
 - 161 NPPs - 36% of all NPPs, 40% of electricity production
- **EU 2007 – 28 Countries - 15 “Nuclear”**
 - 168 NPPs - 38% of all NPPs, 38% of electricity production
- **Europe – together with Non Member Countries**
 - 211 NPPs - 48% of all NPPs, 34% of electricity production

European Union Nuclear Framework as Proposed by EC

- **EU - EC Policy**
- **EU - EC Legislation**
 - To Set the Basic Obligations and Principles – to Guarantee a High Safety Level of Nuclear Facilities on the Basis of which Common Safety Standards will be Determine, Established by Directives
 - To Create a Control Mechanism of National NRAs
 - To Confirm the Necessity to Have Available Adequate Financial Resources
- **EU - EC Technical Basis**
 - IAEA Safety Standards
 - WENRA Activities on Harmonization

Objectives

- To Present the Current Situation of the Technical Nuclear Institutional Expertise in the EU Accession Countries Base on the Existing Framework
- To Identify Some Common Patterns
- To Initiate a Discussion

Approach

- **To Collect and to Analyse Officially Available Information**
 - National Reports Under the Convention on Nuclear Safety
 - NRA Annual Reports
 - IAEA IRRT Mission Reports
- **Basis**
 - IAEA Safety Standard – GS-G-1.1. “Organization and Staffing of the Regulatory Body for Nuclear Facilities”

Scope

- **EU Accession Countries in 2004 with NPPs**
 - Czech Republic
 - Hungary
 - Lithuania
 - Slovakia
 - Slovenia
- **EU Technical Nuclear Institutional Experts**
 - Nuclear Regulatory Authorities (NRAs)
 - Advisory Committee/Councils (ACs)
 - Technical Support Organizations (TSOs)

Areas

- **Organization**
 - Responsibilities
 - Organizational Structure
- **Funds**
- **Staffing**
 - Recruitment
 - Qualification
- **Staff Training**
 - Training Needs

Results

- **Identified Common Areas with Good Practices**
 - Well established organizational structure including the advisory committees
 - Well developed training policy, taking into account the needs of the NRAs and the individuals
- **Identified Common Areas for Improvement**
 - Staffing
 - Funding
 - Training

Conclusions

- **General**

- The technical nuclear institutional experts in the EU 2004 accessing countries are comparable with the Western European practice
- The technical competence is internationally recognised but the same TSOs assist both the Regulator and Operator

- **Staffing**

- The current NRA staff is still below the planned one
- The current NRA financial resources are still not sufficient

- **Staff Training**

- There is a need of staff training in the area of news responsibilities and inspection practices and QA