

# **Technical Meeting on Quality Assurance and Quality Control Activities as Part of a Nuclear Power Plant Management System: Lessons Learned and Good Practices**

12 – 15 November 2018  
IAEA Headquarters, Vienna, Austria

<b>Monday, 12 November 2018, VIC, Board Room C, C Building</b>
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08:00 –10:00 Registration at Gate 1

10.00            **Day 1 - Welcome and Opening addresses**

Speakers:      Mikhail Chudakov, Deputy Director General, IAEA Nuclear Energy– Opening address

10:20            Introduction of participants – Participants’ needs and expectations from the Technical Meeting (briefly)

10:50            Doug Brown, the chair of the TM - Introductory Words

11:00            Pekka Pyy, Scientific Secretary, IAEA, Practical Announcements and Recent IAEA Work in the area of Quality and Supply Chain Management

*11:10            Coffee Break*

## **Quality Assurance, Supplier Management and Management System**

11:30            Christian Palay, The Unique Challenges with Implementing ASME NQA-1 at DOE, USA

11:55            Alexei Kovalenko, Rosatom, Russia, Supply Chain Management and Product Quality Assurance

*12:20            Lunch Break*

## **Quality Assurance, Supplier Management and Management System**

- 13:45 Helen Rycraft, IAEA, IAEA requirements for management, quality and supply chain management
- 14:10 Edouard d'Aboville, EdF, France, Management of subcontractors to ensure quality in the spare part supply chain
- 14:35 Chantal Gelinas, CNSC, Canadian Regulatory Oversight of Supply Management (incl. CSA N299)
- 15:00 *Coffee Break*
- 15:30 Marc Tannenbaum, EPRI, USA (video/telephone presentation), Engineering Problems of the Nuclear Supply Chain Today
- 15:55 John Kickhofel, Apollo Plus, Cooperation for Quality in the Supply Chain, USA/Switzerland
- 16:20 Pekka Pyy, IAEA, Graham Watson, Doug Brown, Canada, Draft IAEA TECDOC "QA/QC Activities in Nuclear Power Plants: Lesson Learned and Good Practices"
- 16:40 Q&A, Discussion with the speakers
- 17:30 *Reception hosted by IAEA, C Building (TBC)*

**Day 2                      Quality Assurance and Management System Requirements**

- 08:30                      Annamaria Sandor, HAEA, Hungary, Role of the Hungarian Atomic Energy Authority in Verifying the Quality Assurance System of Licensees
- Ram Prakash Gupta, AERB, India, Regulatory oversight of Quality Assurance Programme Implementation in Nuclear Power Projects
- Luiz Claudio Nogueira Mendonca, CNEN, Brazil, An Overview of the Applicability of Regulatory Requirements and Good Practices of Quality Assurance on Angra NPP,
- 09:40                      *Coffee Break*
- 10:00                      Mariam bin Braik & Fatima Al Sayari, UAE, ENEC/Nawah QA Program Overview
- Ifeoma Uwom, Nigeria Atomic Energy Commission, Quality Assurance and Quality Control Processes in Newcomer State: Nigeria's Approach
- Ali Ghaleb Al-Asasfeh, JAEC, Jordan, Management Systems Integration in Research Reactors
- Juraj Valent, Slovanske Elektrarne, Slovakia, Implementation of Integrated Risk Management
- Denis Bourgoignon, Bureau Veritas, France & Greg Kaser, WNA, Nuclear Industry led accreditation and certification
- 11:50                      Discussion with the speakers  
                              Introduction to the Working Group Topic(s)
- 12:40                      Lunch
- 14:00                      **Working Groups, C0445, A0534, M0E03, A2517**  
                              Review of the Draft IAEA TECDOC on Quality Assurance and Quality Control Activities in Nuclear Power Plants: Lesson Learned and Good Practices (sent as a part of the pre-material to the TM)
- 16:00                      *Coffee Break*
- 16:30                      Feedback of Interactive Working Groups and Plenary Discussion
- 17:30                      End of the Day

**Day 3            Management of supply chain – views & requirements**

09:00            Rauno Lehto & Juha Vaisasvaara, STUK, Finland, Regulatory oversight means to control substandard and fraudulent mechanical products.

Dragos Iulian Milea, CNCAN, Romania, Regulatory Quality Management Systems Requirements for the Oversight of the Supply Chain

Oleksandr Pasieka, State Scientific and Technical Centre for Nuclear and Radiation Safety, Ukraine, The Ukrainian Regulatory Requirements for the Licensees Activity Management Systems including their suppliers of products and services

Celine Poret & Lise Menuet, IRSN, France, Risk Management Over the Course of the Supply Chain

10:30            *Coffee break*

**Management of supply chain – applications & solutions**

10:50            Mr Ruben Abrahamyan Armenian NPP, Armenia, Oversight and Management of Supply of Products and Services (in respect to the Plant Lifetime Extension)

Ahmad Malkawi, JAEC, Jordan, Case Study: Jordan Approach in Developing and Upgrading of Quality and Industrial Standards of Some Local Supply Chain Products for NPP Projects

Chokri Zammali, STEG, Tunisia, The issue of quality management in improving the industrial involvement in a Tunisian NPP project

12:00            Discussion with the speakers  
Introduction to the Working Group Topic(s)

12:45            Lunch

14:00            **Working Groups** discussing challenges and potential solutions to the quality and management of supply chain, **C0445, A0534, M0E03, A2517**

15:30            Coffee Break

15:50            Work in the groups continues

17:30            End of Day (or when the groups are ready)

<b>Thursday, 15 November 2018, VIC, Board Room C, C Building</b>
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**Day 4            Way forward**

09:00            Reporting session from the Working Groups, Q&A

*10:00            Coffee Break*

10:20            Graham Watson: Worldwide regulations and standards landscape in the area of management systems and quality (for supply chain sustainability)

10:40            Panel discussion – how to manage the quality and the supply chain better and more efficiently (Graham Watson, Newcomer, Supplier, Operator, Regulator)

11:30            Next steps and final discussion

12:00            Chair's conclusions and meeting closing