



EL526

Comparison of Global Quality Assurance and Management System Standards used for Nuclear Facility Application

Week 1

ASME, The Global Nuclear Industry, B&PV Section III and NQA-1 Quality Assurance Requirements for Nuclear Facility Applications

- Introduction to ASME
- World Wide Construction Activity and Major NPP Construction Challenges
- Examples of International Codes & Standards and Nuclear Regulators
- Nuclear Regulation Differences and Enforcement
- Current Global Procurement Codes & Standards
- Overview of Section III & NCA-4000 Requirements
- Overview of NQA-1

Week 2

International Atomic Energy Agency (IAEA) Safety Standard GS-R-3 and International Organization for Standardization (ISO) 9001:2008

- Overview of the International Atomic Energy Agency (IAEA) Management Systems Standard GS-R-3
- Overview of ISO 9001
- US NRC & IAEA Regulatory Positions

Week 3

Comparison of IAEA GS-R-3 to NQA Standard

Week 4

Comparison of ISO 9001 to NQA-1-2008 Standard

Week 5

Comparison IAEA GS-R-3 to ISO 9001

Week 6

Recommendations for the Integration of Management System Requirements for:

- IAEA GS-R-3 and ASME NQA-1
- IAEA GS-R-3 and ISO 9001:2008
- How to Integrate Quality and Management System requirements from Multiple Standards