

NQA-1 Requirements for Computer Software Used in Nuclear Facilities

Brief Course Description:

Focusing primarily on Subpart 2.7, QA Requirements for Computer Software, this course examines the requirements found in NQA-1 for using computer software in nuclear facilities. Participants will learn to apply NQA-1 to the practice of developing, using, maintaining or procuring software used in nuclear facilities.

Each participant will receive a complimentary copy of the ASME NQA-1 - Quality Assurance Requirements for Nuclear Facility Applications (QA) Standard.

Key Topics:

- Explain how ASME NQA-1 applies to computer software such as design and analysis software including use of spreadsheets, custom developed software, configurable software such as that found in digital instrumentation and control systems, and acquired software including software dedication
- Describe the regulatory requirements, standards, and guidance associated with computer software used in nuclear facilities
- Identify the elements of a QA Plan for computer software activities
- Prepare and conduct a computer software audit

Who Should Attend:

Design, software, and quality engineers; regulators; licensing and procurement personnel; program managers; and auditors. Participants should have a general understanding of the software development life cycle and quality assurance process.