



PD606
NQA-1 Requirements for Computer Software Used in Nuclear Facilities

Day One

- Introduction to software standards
- Standards and guidelines for software in the nuclear industry
 - Frameworks for software standards
- Types of software used in the nuclear industry
 - Evolution of software controls in NRC (nuclear regulatory commission)
- Overview of NQA-1 Requirements
 - History
 - Organizational structure of ASME NQA-1
 - The consensus process
 - How changes are incorporated into the standard

Day Two

- Applying NQA-1 to Safety and Non-Safety Software
 - How the Software Engineering Method applies to software
 - Software configuration management
 - Software design requirements
 - The structure of Subpart 2.7 (computer software)
- Assessment and Auditing Software
 - Software products subject to audit
 - ASME NQA, IEEE (Institute of Electrical and Electronics Engineers), and DOE standards for auditing software