ASME NQA-1–2026
(Revision of ASME NQA-1–2024)

Quality Assurance Requirements for Nuclear Facility Applications

AN AMERICAN NATIONAL STANDARD



The American Society of Mechanical Engineers

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FOREWORD

This Standard applies to

(a) any structures, systems, components, activities, or organizations that are essential to the safe, reliable, and efficient performance of a nuclear facility

(b) any activities independent of a nuclear facility that may affect the nuclear facility's performance (e.g., transportation of nuclear materials)

(c) all phases of a nuclear facility life cycle (e.g., siting, design, construction, operation, and decommissioning)

(d) all types of activities that could affect the quality of a nuclear facility, nuclear material applications, structures, systems, and components (e.g., training, testing, software development, or use)

This Standard reflects industry experience and understanding of the quality assurance requirements necessary to achieve safe, reliable, and efficient utilization of nuclear energy and managing and processing radioactive materials. The ASME Standards Committee on Nuclear Quality Assurance (NQA), hereafter referred to as the Committee, actively endorses the worldwide movement toward rational, cost-effective quality assurance practices focusing on results. The Committee liaises with national and international groups with similar interests in quality to assure consistency and maximum applicability of the Standard in a global setting. As a result, the Committee has updated and revised the Standard since its first edition was issued in 1979 to improve its utility, effect on nuclear safety, and value to the nuclear industry.

Early in 1975, the American National Standards Institute (ANSI) assigned responsibility for coordinating among technical societies and developing and maintaining nuclear power quality assurance standards to the American Society of Mechanical Engineers (ASME). The Committee was constituted on October 3, 1975, and assumed responsibility for the ANSI/ASME N45 series documents. The Committee operates under the ASME requirements for the ASME Board on Nuclear, Clean Energy, Power, and Facilities Codes and Standards.

Individuals may submit requests for interpretation or suggestions for improvement as outlined in the section titled Correspondence With the NQA Standards Committee.

Following approval by the Committee and ASME, and after public review, ANSI approved ASME NQA-1–2026 as an American National Standard on July 15, 2026.