

NQA Current and Future Initiatives

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NRIC Conference

Overview

1. Holistic Review
2. NQA-1 2024 Edition
3. Clear Language Initiative and 2026 Edition and Beyond
4. Advanced Reactor Community Engagement

Holistic Review

- Members from each subcommittee
- Entire Standard
 - Table of Contents through Part IV
- More than 400 comments
- Overlapping comments
 - Definitions
 - Cross-reference between Part I and Part II
 - Table of Contents
 - Records

NQA-1 2024

Published July 24, 2024
Next edition expected 2026

32 Records incorporated

Mostly editorial changes

Unknowingly started the
Clear Language Initiative in a
few Part I Requirements

ASME NQA-1-2024
(Revision of ASME NQA-1-2022)

QA-1

Quality Assurance Requirements for Nuclear Facility Applications

AN AMERICAN NATIONAL STANDARD



The American Society of
Mechanical Engineers

Clear Language Initiative

- Plain Language Act of 2010
 - Public Law 11-274
- ASME BPV Section I and Section VIII
- NQA-1 isn't really that bad, right?

Clear Language Initiative

Requirement 5: Original 2024 wording

100 GENERAL

Activities affecting quality and services shall be prescribed by and performed in accordance with documented instructions, procedures, or drawings that include or reference appropriate quantitative or qualitative acceptance criteria for determining that prescribed activities have been satisfactorily accomplished. (39) The activity shall be described to a level of detail commensurate with the complexity of the activity and the need to assure consistent and acceptable results. (26) The need for, and level of detail in, written procedures or instructions shall be determined based upon complexity of the task, the significance of the item or activity, work environment, and worker proficiency and capability (education, training, experience). (38)

Draft NQA Requirement 5 CLEAR Language

Original

100 GENERAL

Activities affecting quality and services shall be prescribed by and performed in accordance with documented instructions, procedures, or drawings that include or reference appropriate quantitative or qualitative acceptance criteria for determining that prescribed activities have been satisfactorily accomplished. (39) The activity shall be described to a level of detail commensurate with the complexity of the activity and the need to assure consistent and acceptable results. (26) The need for, and level of detail in, written procedures or instructions shall be determined based upon complexity of the task, the significance of the item or activity, work environment, and worker proficiency and capability (education, training, experience). (38)

Proposed New Text

100 GENERAL

The organization shall prescribe and perform activities affecting quality using approved and documented instructions, procedures, or drawings.

These documents shall prescribe appropriate qualitative or quantitative acceptance criteria to complete these activities satisfactorily.

These documents shall include details of the activities to assure acceptable and consistent results.

The following factors shall determine the need for, and the level of detail within these documents:

- a) complexity of the task
- b) significance of the item or activity
- c) work environment
- d) worker education, training, experience, and proficiency.

Clear Language Initiative

- Part I – 18 Requirements
- Ready for 2026 Edition
- Who, What, Where, When, How
- Active Voice
- Requirements In – Requirements Out

Draft NQA Requirement 13 CLEAR Language

Original

100 GENERAL

Handling, storage, cleaning, packaging, shipping, and preservation of items shall be controlled to prevent damage or loss and to minimize deterioration. (21) These activities shall be conducted in accordance with established work and inspection instructions, drawings, specifications, shipment instructions, or other pertinent documents or procedures specified for use in conducting the activity. (30)

Proposed New Text

100 GENERAL

- a) The organization shall control the following activities to prevent damage and minimize deterioration or loss of the items:
 - 1) handling
 - 2) storage
 - 3) cleaning
 - 4) packaging
 - 5) shipping
 - 6) preservation
- b) These activities shall specify the use of and be conducted in accordance with one or more of the following documents:
 - 1) established work and inspection instructions
 - 2) drawings
 - 3) specifications
 - 4) shipment instructions
 - 5) other pertinent documents or procedures

Clear Language Initiative Going Past 2026

Records - 9 of 18 Part I Requirements
No Reference at all

Part II through Part IV

Subpart 2.7 – Software Quality

Subpart 2.14 – Commercial Grade Dedication



**Discussions with Advance Reactor Community
(Breakfast w/ NQA, Radiant Keynote Speaker)**

Advanced Reactor Community Engagement

- Advanced Reactor Codes and Standards Collaborative (ARCSC)
- Special Working Group for Emergent Concerns
- October 2024 NQA Meeting in Idaho Falls
- Future Meetings and Involvement
 - April 2025 – Las Vegas
 - October 2025 – Idaho Falls

NQA Membership Representation



Questions?