



NUCLEAR REGULATORY COMMISSION

10 CFR Parts 50 and 52

[NRC-2023-0216]

Draft Regulatory Guide: Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Production and Utilization Facilities

AGENCY: Nuclear Regulatory Commission.

ACTION: Draft guide; request for comment.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing for public comment a draft regulatory guide (DG), DG-1419, "Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Production and Utilization Facilities." This DG is proposed Revision 1 to Regulatory Guide (RG) 1.30, "Quality Assurance Requirements for the Installation, Inspection, and Testing of Instrumentation and Electric Equipment (Safety Guide 30)." DG-1419 describes an approach that is acceptable to the NRC staff to meet the regulatory requirements for installation, inspection, and testing for Class 1E power, instrumentation, and control equipment at production and utilization facilities.

DATES: Submit comments by **[INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

ADDRESSES: You may submit comments by any of the following methods; however, the NRC encourages electronic comment submission through the **Federal rulemaking website**:

- **Federal rulemaking website:** Go to <https://www.regulations.gov> and search for Docket ID **NRC-2023-0216**. Address questions about Docket IDs in Regulations.gov to Stacy Schumann; telephone: 301-415-0624; email: Stacy.Schumann@nrc.gov. For

technical questions, contact the individuals listed in the “For Further Information Contact” section of this document.

- **Mail comments to:** Office of Administration, Mail Stop: TWFN-7-A60M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Program Management, Announcements and Editing Staff.

For additional direction on obtaining information and submitting comments, see “Obtaining Information and Submitting Comments” in the **SUPPLEMENTARY INFORMATION** section of this document.

FOR FURTHER INFORMATION CONTACT: Darrell Murdock, Office of Nuclear Regulatory Research, telephone: 301-415-1591; email: Darrell.Murdock@nrc.gov and Michael Eudy, Office of Nuclear Regulatory Research, telephone: 301-415-3104; email: Michael.Eudy@nrc.gov. Both are staff of the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

SUPPLEMENTARY INFORMATION:

I. Obtaining Information and Submitting Comments

A. Obtaining Information

Please refer to Docket ID **NRC-2023-0216** when contacting the NRC about the availability of information for this action. You may obtain publicly available information related to this action by any of the following methods:

- **Federal Rulemaking Website:** Go to <https://www.regulations.gov> and search for Docket ID **NRC-2023-0216**.

- **NRC’s Agencywide Documents Access and Management System (ADAMS):** You may obtain publicly available documents online in the ADAMS Public Documents collection at <https://www.nrc.gov/reading-rm/adams.html>. To begin the search, select “Begin Web-based ADAMS Search.” For problems with ADAMS, please contact the NRC’s Public Document Room (PDR) reference staff at 1-800-397-4209, at 301-415-4737, or by email to PDR.Resource@nrc.gov. The ADAMS accession number

for each document referenced (if it is available in ADAMS) is provided the first time that it is mentioned in this document.

- **NRC's PDR:** The PDR, where you may examine and order copies of publicly available documents, is open by appointment. To make an appointment to visit the PDR, please send an email to PDR.Resource@nrc.gov or call 1-800-397-4209 or 301-415-4737, between 8 a.m. and 4 p.m. eastern time (ET), Monday through Friday, except Federal holidays.

B. Submitting Comments

The NRC encourages electronic comment submission through the **Federal rulemaking website** (<https://www.regulations.gov>). Please include Docket ID **NRC-2023-0216** in your comment submission.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC will post all comment submissions at <https://www.regulations.gov> as well as enter the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information before making the comment submissions available to the public or entering the comment into ADAMS.

II. Additional Information

The NRC is issuing for public comment a DG in the NRC's "Regulatory Guide" series. This series was developed to describe methods that are acceptable to the NRC staff for implementing specific parts of the agency's regulations, to explain techniques that the staff uses in evaluating specific issues or postulated events, and to describe information that the staff needs in its review of applications for permits and licenses.

The DG, entitled “Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Production and Utilization Facilities,” is temporarily identified by its task number, DG-1419 (ADAMS Accession No. ML23222A182).

This DG is proposed Revision 1 to RG 1.30 (also known as Safety Guide 30) and describes an approach that is acceptable to the NRC staff to meet the regulatory requirements for installation, inspection, and testing for Class 1E power, instrumentation, and control equipment at production and utilization facilities. DG-1419 endorses, with a clarification, Institute of Electrical and Electronics Engineers (IEEE) Standard (Std) 336-2020, “IEEE Recommended Practice for Installation, Inspection, and Testing for Class 1E Power, Instrumentation, and Control Equipment at Nuclear Facilities.” DG-1419 also removes all quality assurance (QA) requirements from RG 1.30 and addresses the requirements of a QA program for design and construction in RG 1.28, Revision 6, “Quality Assurance Program Criteria (Design and Construction),” (ADAMS Accession No. ML23177A002), and for operation in RG 1.33, Revision 3, “Quality Assurance Program Requirements (Operation),” (ADAMS Accession No. ML13109A458).

The staff is also issuing for public comment a draft regulatory analysis (ADAMS Accession No. ML23235A321). The staff developed a regulatory analysis to assess the value of issuing or revising a regulatory guide as well as alternative courses of action.

As noted in the *Federal Register* on December 9, 2022 (87 FR 75671), this document is being published in the “Proposed Rules” section of the *Federal Register* to comply with publication requirements under 1 CFR chapter I.

III. Backfitting, Forward Fitting, and Issue Finality

Issuance of DG-1419, if finalized, would not constitute backfitting as defined in section 50.109 of title 10 of the *Code of Federal Regulations* (10 CFR), “Backfitting,” and as described in NRC Management Directive (MD) 8.4, “Management of Backfitting, Forward Fitting, Issue Finality, and Information Requests”; affect issue finality of any approval issued under 10 CFR part 52, “Licenses, Certificates, and Approvals for

Nuclear Power Plants”; or constitute forward fitting as defined in MD 8.4, because, as explained in DG-1419, licensees would not be required to comply with the positions set forth in DG-1419.

IV. Submitting Suggestions for Improvement of Regulatory Guides

A member of the public may, at any time, submit suggestions to the NRC for improvement of existing RGs or for the development of new RGs. Suggestions can be submitted on the NRC’s public website at <https://www.nrc.gov/reading-rm/doc-collections/reg-guides/contactus.html>. Suggestions will be considered in future updates and enhancements to the “Regulatory Guide” series.

Dated: December 14, 2023.

For the Nuclear Regulatory Commission.

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