

Regulatory Guide Periodic Review

Regulatory Guide Number: **1.211, Revision 0**

Title: **Qualification of Safety-Related Cables and Field Splices for Nuclear Power Plants**

Office/division/branch: **RES/DE/ICEEB**
Technical Lead: **Kenn Miller**

Staff Action Decided: **Reviewed with no issues identified**

1. What are the known technical or regulatory issues with the current version of the Regulatory Guide (RG)?

RG 1.211 endorses Institute of Electrical and Electronics Engineers (IEEE) Std. 383-2003 "Qualification of Safety-Related Cables and Field Splices for Nuclear Power Plants," as part of a method for complying with the NRC regulations for qualification of safety-related cables and field splices for nuclear power plants. Specifically, applicable regulations are 10 CFR 50.49, Environmental qualification of electric equipment important safety for nuclear power plants," General Design Criteria (GDCs) 1, 2, 4, and 23, and Criterion III, "Design Control," of 10 CFR Part 50, Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants."

There are no technical or regulatory issues requiring revision of the RG. IEEE Std. 383 was last revised and issued in 2004 (as IEEE Std. 383-2003) and re-affirmed by IEEE in 2008. The current version of the RG endorses the applicable standard. The NRC staff is aware of a future revision of the IEEE Std. 383 that is scheduled to be published around mid-2015. From a review of the draft copy of the new IEEE Std. 383-2015, it appears that most of the exceptions to the IEEE 383-2003 that are listed in the current revision of RG 1.211 have been accepted in the future IEEE standard.

2. What is the impact on internal and external stakeholders of not updating the RG for the known issues, in terms of anticipated numbers of licensing and inspection activities over the next several years?

As there are no current technical or regulatory issues identified, use of the current version of RG 1.211 will have no known impact on internal or external stakeholders.

3. What is an estimate of the level of effort needed to address identified issues in terms of full-time equivalent (FTE) and contractor resources?

No revision is required. Therefore, no FTE are needed.

4. Based on the answers to the questions above, what is the staff action for this guide (Reviewed with no issues identified, Reviewed with issues identified for future consideration, Revise, or Withdraw)?

Reviewed with no issues identified.

NOTE: This review was conducted in April 2015 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.

Regulatory Guide Periodic Review

- 5. Provide a conceptual plan and timeframe to address the issues identified during the review.**

After the IEEE issues a revision to IEEE Std. 383, the agency will review the updated standard for possible endorsement and possible revision to RG 1.211.

NOTE: This review was conducted in April 2015 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.