

## Regulatory Guide Periodic Review

Regulatory Guide Number: **1.40**  
Revision number: **1**  
Title: **Qualification of Continuous Duty Safety-Related Motors for Nuclear Power Plants**  
Office/division/branch: **RES/DE/ICEEB**  
Technical Lead: **Eric M. Lysiak**  
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 1.40 endorses IEEE Std. 334-2006 “Qualification of Continuous Duty Safety-Related Motors for Nuclear Power Plants,” as part of a method for complying with the regulations for qualification of safety-related continuous duty motors for nuclear power plants. Specifically, applicable regulations are in title 10 of the *Code of Federal Regulations* (10 CFR) Part 50.49, General Design Criteria (GDCs) 1, 2, 4, and 23, and Criterion III (Design Control) of 10 CFR Part 50-Appendix B. IEEE Std. 334 was last revised and issued in 2006 (IEEE Std. 334-2006). The current version of the RG endorses the applicable standard. The Nuclear Regulatory Commission is not aware of any new revision of the IEEE Std. 334. There are no technical or regulatory issues at this time requiring revision of the RG. Once a new revision is issued, the RG will be reviewed in a timely manner and adjusted as needed.

**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?**

Use of the current version of RG 1.40 will have no known impact on internal or external stakeholders at this time.

**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 required therefore, no level of effort needed at this time.

**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.

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

After the IEEE issues a revision to IEEE Std. 334, the agency will review the updated standard for possible endorsement and possible revision to RG 1.40.

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