

## Regulatory Guide Periodic Review

Regulatory Guide Number: 1.156, Revision 1

Title: Qualification of Connection Assemblies 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)?**

Revision 1 of RG 1.156, "Qualifications of Connection Assemblies for Nuclear Power Plants," dated July 2011 endorses, with some exceptions and clarifications, the Institute of Electrical and Electronics Engineers (IEEE) Standard (Std.) 572-2006, "IEEE Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations," (IEEE Std. 572-2006). The IEEE standard is current but is scheduled to be revised sometime prior to 2021.

**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 revision of RG 1.156 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?**

The NRC staff will continue to monitor IEEE standards and, when IEEE Std. 572-2006 is revised by the IEEE working group, the NRC staff will evaluate the revised standard for possible endorsement in a revision of RG 1.156. Updating RG 1.156 is estimated to require approximately 80 - 120 hours of internal staff effort, since there are multiple references to review.

**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.**

No issues identified during this review.

**NOTE: This review was conducted in January 2017 and reflects the staff's plans as of that date. These plans are tentative and are subject to change.**