

**Periodic Review of Regulatory Guide 1.9, “Application and Testing of Safety-Related Diesel Generators in Nuclear Power Plants,” Revision 4, dated March 2007.**

**1. What are the known technical or regulatory issues with the current version of the RG?**

There are no known technical or regulatory issues with Revision 4 of Regulatory Guide (RG) 1.9, “Application and Testing of Safety-Related Diesel Generators in Nuclear Power Plants,” dated March 2007. The RG endorses, with some exceptions and clarifications, the Institute of Electrical and Electronics Engineers (IEEE) Standard 387, “IEEE Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations,” issued in 1995 (IEEE Std. 387-1995), which is the current IEEE standard.

**2. What is the impact on internal and external stakeholders of not updating the RG for the known issues, in terms of licensing and inspection activities?**

There are no known impacts on internal and external stakeholders since there are no known technical or regulatory issues with the current version of RG 1.9. However, the IEEE is currently revising Std. 387, and RG 1.6 should be revised in parallel with the development of the revised IEEE standard. This will result in a revised RG that is in compliance with the current RG format and most current IEEE standard.

**3. What is an estimation of the level of effort needed to address identified issues in terms of FTE and contract dollars?**

Revising RG 1.9 will require approximately 40 staff hours to update the format to match the current RG template and process the revision. Additional FTEs will be needed to participate in the revision of IEEE Std. 387. A more complete estimate of the total time needed to update RG 1.9 and IEEE Std. 387 will be developed when more information is available. No technical or regulatory revision to RG 1.9 is needed at this time.

**4. Based on the answers to the questions above, what is the proposed staff action for this RG? (See notes under drop down box)**

The staff recommends declaring RG 1.9, revision 4, dated March 2007 to be acceptable as is at this time and subsequently completing a revision to the RG in parallel with the revision of IEEE Std. 387.

**5. If a RG should be revised, provide a conceptual plan and timeframe to accomplish this.**

The IEEE has formed a working group to update IEEE Std. 387-1995 and the NRC staff is participating in the process. The NRC representative on the working group is planning on updating RG 1.9 in parallel with the development of the revised IEEE standard. Revision of the IEEE standard is estimated to be completed by late 2015 or early 2016. Development and processing of the revision to RG 1.9 should follow a parallel timeline.

**NOTE:** This review was conducted in February 2014 and reflects the staff’s plans as of that date. Plans are tentative and subject to change.