

Regulatory Guide Periodic Review

Regulatory Guide Number: **1.62**
Revision number: **1**

Title: **Manual Initiation of Protective Actions**

Office/division/branch: **RES/DE/ICEEB**
Technical Lead: **Erick Martinez Rodriguez**

Staff Action Decided: **Reviewed with issues identified for future consideration**

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

RG 1.62 provides guidance on Institute of Electrical and Electronics Engineers (IEEE) Standard (Std.) 603-1991, "IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations," which is incorporated by reference in *Title 10 of the Code of Federal Regulations* (10 CFR) Part 50.55a (h), "Protection and Safety Systems," and is applicable to 10 CFR 50, Appendix A, General Design Criteria (GDC) 1, 13, 21, and 22. RG 1.62 describes a method for complying with the Nuclear Regulatory Commission's (NRC) regulations for manual initiation of protective actions to complete all credited protective actions for the safety system.

The staff identified one administrative issue that should be incorporated in the next revision to RG 1.62. Specifically, RG 1.62 includes a reference to Branch Technical Position (BTP) 7-19, "Guidance for Evaluation of Diversity and Defense-In-Depth in Digital Computer-Based Instrumentation and Control Systems," Revision 5. However, BTP 7-19 was updated to Revision 7 in 2016. RG 1.62 covers some of the topics addressed in BTP 7-19. During the next revision of RG 1.62, the staff recommends ensuring alignment of the wording that is common between the guidance provided in RG 1.62 and BTP 7-19.

There are no additional technical or regulatory issues requiring revision of RG 1.62.

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?

The staff finds RG 1.62 has no known technical issues. The use of the current version of RG 1.62 has no known impact on internal or external stakeholders. Hence, there is no immediate impact on ongoing and anticipated licensing activities.

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?

Because the guidance is not being revised, a resource estimate is not required.

4. Based on the answers to the questions above, what is the staff action for this guide?

Reviewed with issues identified for future consideration.

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

The staff will consider the identified administrative issue as part of the next periodic review or revision, whichever occurs first.

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