

IEEE Standard Periodic Testing of Diesel-Generator Units Applied as Standby Power Supplies in Nuclear Power Generating Stations

Sponsor

**The Power Generating Committee of the
IEEE Power Engineering Society**

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Foreword

(This Foreword is not a part of IEEE Std 749-1983, IEEE Standard Periodic Testing of Diesel-Generator Units Applied as Standby Power Supplies in Nuclear Power Generating Stations.)

This standard is supplementary to ANSI/IEEE 308-1980, IEEE Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations, ANSI/IEEE Std 338-1977, IEEE Standard Criteria for the Periodic Testing of Nuclear Power Generating Stations Safety Systems, and IEEE Std 387-1977, IEEE Standard Criteria for Diesel-Generator Units Applied as Standby Power Supplies for Nuclear Power Generating Stations.

The IEEE has developed this standard to provide the testing criteria and requirements to demonstrate availability and performance of previously qualified diesel-generator units, including auxiliary equipment, applied as standby power supplies for nuclear power generating stations.

Adherence to these criteria may not suffice for ensuring the public health and safety because it is the integrated performance of all fluid, instrumentation, and electrical systems in the station that establishes the consequences of design basis events. Each licensee has the responsibility to ensure himself and others that this standard, if used, is pertinent to his license and that the integrated performance of his station is adequate.

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