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IEEE Recommended Practice for Testing and Startup Procedures for Electric Heat Tracing Systems for Power Generating Stations

Sponsor

**Energy Development and Power Generation Committee
of the
IEEE Power Engineering Society**

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Foreword

(This Foreword is not a part of IEEE Std 622B-1988. IEEE Recommended Practice for Testing and Startup Procedures for Electric Heat Tracing Systems for Power Generating Stations).

In a continuing effort to provide pertinent recommended practices to the industry on the design and installation of electric heat tracing systems (see ANSI/IEEE Std 622-1987 and ANSI/IEEE Std 622A-1984, ANSI IEEE Std 515-1983, ANSI/IEEE Std 844-1985), the Electric Heat Tracing Working Group of the Power Generation Committee began an investigation in 1984 into startup and commissioning testing techniques for systems in power generating stations. This investigation covered such areas as testing of materials and components on receipt at the job site, testing and verifying design of systems before and after installation, and periodic testing of systems after commissioning.

This recommended practice is a detailed summary of the said techniques and is offered to the user in the installation, commissioning, and periodic surveillance areas of operation. Electric heat tracing systems play an important part in the operation of power generating stations and other process industries.

While this recommended practice is written for power generating stations, the techniques presented can be used on electric heat tracing systems in any application. Since electric heat tracing systems are interrelated with electric power and alarm systems, other IEEE standards should be referred to when using this recommended practice.

The recommendations herein are not intended to supersede any current IEEE standard or practice and sound engineering judgment should always be used when applying this or any other IEEE standard.

This recommended practice correlates industry practices; it is not intended to be an exhaustive compilation or a rigid procedure manual. The document was prepared by the Working Group on Electric Heat Tracing Systems, Station Design Subcommittee of the Energy Development and Power Generation Committee. At the time this recommended practice was approved, the members of the working group were:

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