

**IEEE Power Engineering Society
Substation Committee Standards
Annual Report 2005**

Entity: Standards Subcommittee G0

Chair: David L. Harris

Significant Accomplishments in 2004:

Par issued for the revision of IEEE 1402 – Guide for Electric Power Substation Physical and Electronic Security, Roland Youngberg, MidAmerican Energy chair of the G3 working group.

G0 members presented five tutorials at the IEEE Annual Meeting in San Francisco:

- T3 How a substation happens
- T4 Air-insulated Substations
- T5 Substation Community Considerations
- T6 Animal Deterrents in Substations
- T9 Physical Security of Substations

Benefits to Industry from the 2004 Work (provide specific examples):

Benefits to Volunteer Participants from the 2005 Work (provide specific examples):

Substations Committee members have benefited from their collaboration on technical problems with industry leaders and experts, discussing contemporary industry problems and concerns and the satisfaction of creating standards and guides that are useful to the industry. Committee meetings have included presentations of experts in specific fields and debating of ideas and industry practices. Substations Committee members have also benefited from their exposure to technical paper reviews and technical paper presentations.

Recognition of Outstanding Performance:

Significant Plans for 2005:

Revision of IEEE 1402 – Guide for Electric Power Substation Physical and Electronic Security

Issue a questionnaire to utility industry to research security changes since 9/11/01 for the revision of the security guide..

Problems and Concerns:

The main concern of the Substations Committee is the decline of industry support of their engineers' participation in IEEE PES activities, due to budget cuts, perceptions, etc. This is a problem that impacts all Technical Committees.

Submitted by: David L. Harris **Date:** November 21, 2005

To be submitted no later than January 17, 2004 to the PES Executive Office