

**IEEE Power Engineering Society
Substations Committee Annual Meeting 2005
Tampa, FL; April 10- 14, 2005
Activity Report**

Entity: GAS- INSULATED SUBSTATIONS SUBCOMMITTEE (K0)

Chair: Arun Arora, arun.arora@ptd.siemens.com
Vice-Chair: Dick Jones, djoner@rcn.com
Secretary: George Becker, becker@nu.com

Subcommittee Activities K0

The subcommittee activities started on Sunday, April 10, 2005 with a four hour GIS/GIL/SF6 Gas tutorial, attended by 14 attendees. The tutorial was presented by Hermann Koch, Phil Bolin, Mark Etter, Wolfgang Degen, Hugues Bosia, Venkatesh Minisandram, George Becker, Daniel Lauzon and Arun Arora. The tutorial was well received and discussions were lively.

The Work Program, based on New Orleans meeting of April 2004, was sent to all members of K0/K1/K2/K3/K4 earlier in mid February to form the basis of our discussions during the Substation Committee Meeting. 22 participants turned out in the meetings. Dick Jones, Vice-Chair excused himself for not attending the meetings. A few other members also could not attend.

A full meeting report was issued by George Becker, Secretary on May 3, 2005 and sent to all members including the Secretary of Substation Committee.

The next meeting will take place in Scottsdale, AZ in April 2006. The April 2007 meeting is planned to take place in Seattle, WA.

K1 Standards and Guides

All present GIS standards are up-to-date. Standards C37.122.1 and C37.123 are planned to be compared with corresponding CIGRE documents and a comparison of differentiating clauses is scheduled for the next Substation Committee Meeting in 2006. Standard C37.38 is planned to be integrated in the C37.122 harmonized document and therefore no individual activity is planned.

K1 TF1

Standard C37.38 will be integrated in C37.122. Common Clauses, C37.100-1, a new document is planned to be created based on IEC 62271-1. PAR for revision will be requested.

K1 TF2 P1663, Guide for the Application of Medium Voltage Gas-Insulated Substations, 1 kV up to 52 kV

The latest draft of the document was sent to all members. Detailed discussions on modifications were debated. The latest draft was sent to Switchgear Committee for review and comments.

K2, Publications and Information and Dissemination

No activity

K2 TF1, Tutorial on GIS/GIL/SF6

Revision of presentation documents for San Francisco GM 2005 Panel Session was planned by 5/05. Discussed to investigate if the GIS/GIL/SF6 tutorial can be offered through the IEEE/PES website.

K2 TF2, Panel on GIL

Future panel sessions will be discussed during the San Francisco GM 2005.

K2 TF3, Panel Session on GIS

Future panel sessions will be discussed during the San Francisco GM 2005-06-01

K2 TF4, Tutorial on MV GIS 1kV up to 52 kV

A new group was formed to study the feasibility of such a tutorial.

K3, Application of GIS Technology

No activity

K3 TF2, GIL Application Guide

The draft was resent on April 15, 2005 to all members for review and comments by May 17, 2005. The balloting process is planned after the San Francisco GM 2005.

K3 TF2, Overloading of GIS

Common Clauses IEC document 62271-1 was sent to the TF Chair for review and corresponding generation of similar document for IEEE.

K3 TF3, Cross Bonding

The Indian Chapter document was planned to be resent to all members for comments. Next steps will be reviewed after receiving the comments.

K3 TF4, GIS above 52 kV, Monitoring Application Guide

A new TF was formed to bridge the gap between the users and manufacturers. Information will be collected for review.

K4, Maintenance and Operation of GIS/GIL

K4 TF1

Users are planned to be contacted in various regions and a plan for meeting to be worked out. A list of users is planned to be drawn. A users meeting is planned in the Northwest

Submitted by: Arun Arora, Chair K0

Date: June 1, 2005