

U.S. National Committee of the International Electrotechnical Commission,
A Committee of the American National Standards Institute
Technical Advisory Group for IEC TC 14

TAG Administrator:

National Electrical Manufacturers Association

1300 North 17th Street, Suite 1752, Rosslyn, VA 22209

Tel: 703-841-3252, fax: 703-841-3353

MINUTES

PLACE OF MEETING:

Costa Mesa Hilton
3050 Bristol Street
Costa Mesa, CA 92626
B-2 Balboa

DATE AND TIME:

Wednesday, March 22, 2006
3:00 PM

PRESIDING OFFICER:

P. Hopkinson, Technical Advisor

Members Present:

D. Aho
S. Choinski
J. Corkran
D. Foster
P. Hopkinson
S. Kennedy
R. Marek
H.J. Sim
B. Simpson

Cooper Power Systems
NEMA Staff, TAG Administrator
Cooper Power Systems
Olsun Electrics Corporation
Hvolt, Inc., TA
Niagara Transformer Corporation
Dupont Advanced Fibers Systems
Waukesha Electric Systems
Innovative Paper Technologies

Members Absent:

C. Colopy
J. Foldi
R. Girgis
J. Lackey
G. Morehart

Cooper Power Systems
Foldi & Associates
ABB
PowerNex Associates Inc
ACME Electric Corporation

Others present:

K. Brown
L. Davis
K. Haggerty
G. Hoffman
T. Holifield
D. Marlow
P. McShane

Tennessee Valley Authority
Reuel, Inc.
DuPont
Advanced Power Technologies
Howard Industries
Prolec GE
Cooper Power Systems

A. Molden
H. Nordman
J. Patwardhan
S. Razuvayev
L. Rechsiedller
D. Stinson
R. Wicks
K. Yue

AMEESCO
ABB, Finland
Schneider-Electric
Delta Star, Inc.
Manitoba Hydro
Tennessee Valley Authority
DuPont
Bechtel Power

1. CALL TO ORDER

The meeting was called to order, meeting guidelines reviewed and attendance recorded.

2. APPROVAL OF THE AGENDA

The Agenda was approved as written.

4. APPROVAL OF THE PREVIOUS MINUTES

Minutes of the meeting held October 26, 2005 in Memphis, TN were approved as written.

5. REVIEW AND UPDATE OF USNC ROSTERS FOR TC 14

TAG roster was circulated and necessary corrections annotated.

6. BERND BORCHERT OF THE UK NAMED NEW SECRETARY ON 1/11/06

The appointment of a new Secretary was noted. Mr. Borchert succeeds Nick Bradfield.

7. REVIEW OF PLENARY MEETING HELD IN CAPETOWN, SOUTH AFRICA, OCTOBER 20-21, 2005

- a. PJ Hopkinson named Convenor of Maintenance Team 5 for IEC 60076-1 "Power transformers - Part 1: General." Presently soliciting working group members. Issues include environmental considerations and reference temperature for kVA and losses. Corresponding IEEE documents are C57.12.00 and C57.12.01. Hopkinson to make changes to the IEC document, circulate and solicit members to join the MT. Planning for 2 WG meetings per year.
- b. 60076-14 TS Ed.2 Rick Marek's High Temperature Liquid Filled Transformer Group back in business. The work will be accomplished in MT4 and next meeting will be late May/early June in the Ukraine. There is no participation for fluids and assistance from Cooper was solicited.

This document was originally published as a test spec and not a standard. There were comments from the balloting process that required investigation and it was decided to publish as a test spec rather than delay publication.

- c. Self Protected Liquid Filled Transformers headed for FDIS. Some work is needed to address US concerns for the next revision.
- d. 60076-5 Short Circuit approved. TAG Administrator to check on publication status.
- e. Hasse Nordman's Liquid Filled Transformer Loading Guide approved. TAG administrator to check on publication status.
- f. 60076-6 Reactors by Chris Ploetner accepted. Next stage will be CDV.
- g. K. Toda's WG 30 Gas Filled Power Transformer Transformer work was approved. Next stage will be CDV.
- h. 14/515/NP Transformers connected to wind generators. Reviewed Hopkinson's presentation "Ping Test" to discuss transformer/circuit breaker interaction. This presentation is posted under the Performance Characteristics Subcommittee site.
- i. 14/517/INF Liaison reports: Many items presented by liaison representative, Sam Hall of the UK on TC 10 (Insulating fluids) with work on Mineral oil, Silicone, and Natural Ester Members engaged in an extended discussed of sulphur in transformer oil. Testing does not always expose problems with sulphur and further study is required.

8. OPEN DOCUMENTS/Issues- - Sulphur !

This sulphur issue was discussed above.

9. OTHER BUSINESS

There was not other business

9. DATE AND PLACE OF THE NEXT MEETING

The next meeting will be during the Fall IEEE PES Transformer Committee meeting October 2006 in Montreal, Canada.

9. ADJOURN

The meeting adjourned at 4:17 pm.

Reported By:

S. Choinski

March 22, 2006