

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 1847, Rosslyn, VA 22209

Tel: 703-841-3253, fax: 703-841-3253

MINUTES

PLACE OF MEETING:

SHERATON STATION SQUARE HOTEL
7 Station Square Dr.
Pittsburgh, PA15219

DATE AND TIME:

Wednesday, October 8, 2003
3:00 PM

PRESIDING OFFICER:

P. Hopkinson, Technical Advisor

Members Present:

J. Corkran
D. Foster
P. Hopkinson
S. Kennedy
J. Lackey
P. Payne
H.J. Sim

Cooper Power Systems
Olsun Electronics Corporation
Hvolt, Inc.
Niagara Transformer Corporation
Lackey Transformer Services
PEPCO
Waukesha Electric Systems

Members Absent:

C. Colopy
J. Foldi
R. Girgis
C. Ko
R. Marek
G. Morehart
W. Patterson

Cooper Power Systems
Consultant
ABB
Lapp Insulator Company
Dupont Advanced Fibers Systems
ACME Electric Corporation
ABB

Others present:

J. Arteaga
S. Choinski
R. DelVecchio
D. Fallon
J. Kelly
T.V. Oommen
J. Puri
P. Riffon
B. Simpson

Howard Industries
NEMA Staff, TAG Administrator
Consultant
PSE&G
S.D. Myers, Inc., TC10 TAG
ABB
Hvolt, Inc.
Hydro-Quebec
Quin-T Corp.

R. Thompson
R. Wicks

Duke Energy – Energy Delivery Services
DuPont

1. CALL TO ORDER

The meeting was called to order, attendance recorded.

2. APPROVAL OF THE AGENDA

The agenda was approved as written

3. APPROVAL OF THE PREVIOUS MINUTES

Minutes of the meeting held March 19, 2003, were approved as written.

4. REVIEW AND UPDATE OF USNC ROSTERS FOR TC 14

Members reviewed the TAG roster and made necessary corrections. It is in the industry's best interest to have as much support in developing the US position within the IEC. Official members are required to pay the TAG participation fee, and are eligible to participate on IEC working groups. TAG meetings are open to all interested parties.

5. REPORT FROM TAG ADMINISTRATOR

Two documents circulated since last meeting:

14/469/DC: IEC 60599: Mineral oil-impregnated electrical equipment in service - Guide to the interpretation of dissolved and free gases analysis - IEC/TC 10
Comments due to IEC January 16, 2004

14/468/DTS: IEC TS 60076-14: Guide for the design and application of liquid-immersed power transformers using high-temperature insulation materials
Comments due to IEC November 7, 2003

USNC will be identifying those not paying the annual fee for TAG Administrator follow-up.

6. REPORT FROM TECHNICAL ADVISOR

TC 14 leadership changed with Jim Fyvie replacing Dennis Allen as Chairman. Nick Bradfield is the Secretary; both are from the UK.

Obtaining financial support for IEC activities was discussed. NEMA and EEI had provided funding for IEC delegates in the past up to \$2000 per trip. This spread the costs as not to burden one company. Expect any Working Group to have two meetings per year and the Plenary meeting is held every two years.

Current Circulated Documents:

14/469/DC: Gas in Oil Analysis and maximum allowable concentrations

Gas ppm levels too high, recommend C57.104 values used. US position will be to reject and add an “in some countries” clause.

14/468/DTS – A letter from Rick Marek was presented reminding members to provide comments and determine the US position.

Review of Working Groups and Maintenance Teams

It was noted that some WG’s were changed to MT’s per IEC guidelines. WG’s are for new projects, MT’s conduct work on existing documents.

Current Working Groups

WG 21 Convertor Transformers	Sheldon Kennedy	Work Completed
WG 2 Short Circuit	Jerry Corkran	WG Abandoned – now MT
WG 24 Dielectric Tests	Loren Wagenaar	No recent activity
WG 25 Audible Sound	Jeewan Puri	Measurement Techniques
WG 26 Tapchangers	Craig Colopy	Application Guide
WG 27 Dry Type Transformers	Wes Patterson	Document Dormant – now MT
WG 28 Internal Protection		CSP Transformers
WG 29 High Temperature	Rick Marek, Convenor	
Liquid Filled Transformer (14/468/DTS): US comment sent in on 2/28/03 to indicate concern for electrical contact heating and thermal runaway at elevated temperatures. Contact oxidation conforms to 10 C half-life rule		
WG 30 Gas Insulated Transformers	No US Interest	Japanese Initiative

(14/461/NP): Technology not currently used in the US. What benefit is there for US suppliers? Program passed within IEC despite US opposition.

Maintenance Teams

MT 1 Revision of IEC 60354 Loading Guide for Oil Immersed Power Transformers

MT 2 Ability to Withstand Short Circuit Revision of IEC 60076-5	Committee draft document (14/464A/MCR) produced with special attention to radial and axial stresses for core type and shell type constructions, respectively. Follows Cigre initiative: CD 2003, CDV 2004, FDIS 2005.
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MT 3 Revision of IEC 60289 Reactors

MT 27 Dry Type Transformers

(14/460/RDV): Controversial Fire Test where transformer coil is burned on a large bunsen burner. This test is not used in the US but is favored by at least one European Country. The test has questionable practicality.

6. TC 14 MEETING PLANS

The next TC-14 Plenary meeting is planned for March 2004 in Frankfurt, Germany.

7. OTHER BUSINESS

There was no new business.

8. TIME AND PLACE OF NEXT MEETING

The next meeting will be held in conjunction with the Spring IEEE PES Transformer Committee meetings March 2004 in San Diego, CA.

9. ADJOURNMENT

The meeting adjourned at 4:20 PM EST.

Reported By:

S. Choinski

October 8, 2003