

## UNAPPROVED MINUTES

### TASK FORCE ON HIGH-TEMPERATURE LIQUID-IMMERSED TRANSFORMERS

October 6, 2008

Porto, Portugal

Rick Marek, Chairman

#### 1.0 Introduction and Rosters

The task force met for the first time on Monday, October 6, 2008 at 4:15 PM with 48 in attendance. 23 requested membership.

#### 2.0 Minutes

There were no minutes for approval.

#### 3.0 Patent Disclosure

The chairman asked if anyone knew of any patents that could pertain to this project. There were none.

#### 4.0 First body of work

The Chair introduced the meeting by discussing a proposal for the three items required for the PAR submission: the Title, the Scope, and the Purpose. The Chair will circulate these to the task force members, with feedback needed by the end of October so a PAR can be submitted. The proposed Title is: IEEE Trial Use Standard for the Design and Application of Liquid-Immersed Transformers using High-Temperature Insulation Systems.

A question was raised whether this document should be a guide, a trial-use standard or a standard. After a short discussion the general feeling was that a guide was too weak and a standard was too strong. The Chair requested additional comments along with a response to wording of the title, since the document type will affect some of the language within the document such as should vs. shall.

#### 5.0 Draft 1.0 Discussion

The Chair then spent the bulk of the meeting discussing his suggestions for the development of this document. He provided information on a similar IEC document which will provide the starting point for this work. IEC 60076 – 14 is a document of exception, depending on reference documents and only focusing on thermal aspects of transformers operating at temperatures above 65 C.

One key difference between this document and the IEC document is the “reference point” that is used as the basis for comparison. The IEC document defines non-thermally upgraded kraft and mineral oil as the reference system. For this IEEE document, the starting point will assume thermally upgraded kraft and mineral oil as the reference system.

The reference IEC document was reviewed, including the table of contents which details the topics which would be covered in the new IEEE document. The Chair has copied the reference IEC document into the IEEE template as a starting draft and expects to use a large portion of the document. The document depends heavily on IEC references which will be changed to equivalent IEEE and ASTM references. After the document has been reviewed and modified, a formal request for copyright approval from IEC will be requested for the portions that have not been modified.

#### 6.0 Next Meeting

The Chair solicited input from members of the task force about holding an interim meeting late January in Atlanta as a way to speed up the development of the document. There was only mild interest in this suggestion. He further requested task force comments on draft 1.0 by the end of December, which would then be incorporated into a draft 2.0 for discussion at this meeting. This would lead to a more complete draft to be reviewed by the whole task force for the next meeting in Miami.

The Chair will post Draft 1.0 on the web. Permission to use the original document has been formally provided by IEC for use by the task force and will be posted on the web with a password to be provided to the members.

#### 7.0 Adjournment

The meeting adjourned at 5:30 PM.