

Working Group for Acceptance and Maintenance of Insulating Liquids

Tuesday, October 16, 2018

1:45 – 3:00 PM

Grand Ballroom 5

Jacksonville, FL

Chairman Tom Prevost
Vice Chair Scott Reed
Secretary (Open)

The meeting was called to order at 1:45 pm by Chair Tom Prevost.

There were 27 of 35 members present. There were 42 guests and 36 visitors. A membership quorum was achieved.

Agenda

- 1) Introductions
- 2) Approval of Agenda
- 3) Approval of Spring 2018 Minutes
- 4) Call for Patents
- 5) New Document:
 - a. Title
 - b. Scope
 - c. Purpose
- 6) Review of Documents and Task Forces
- 7) Task Force Reports
- 8) New Business
- 9) Adjourn

The Spring 2018 minutes were unanimously approved. The Fall 2018 agenda was unanimously approved.

Chairman Prevost posted the Patent Claim. No claims were made.

Chair's Remarks:

Chairman Prevost reviewed the scope and purpose of the guide. Next, the chair asked each task force to speak about their respective sections.

TF1-Types of Insulating Liquids, Jinesh Malde

Jinesh announced his committee met October 14th and has 11 members. The task force will begin to consolidate information from the existing guides and is in the process of identifying background information for each fluid type. In addition, Jinesh will work to identify the appropriate liquid tests and their significance as well as evaluate new liquids to be included as part of this guide.

TF2- In Service, Scott Reed

Scott shared that his task force has meet and will consolidate information from existing guides that discuss in-service fluids. However, the task force has questions about voltage classes and thresholds for fluids that do not have any established values, as well as consideration for new liquid tests and new fluids. It was decided that TF2 will work with TF1 as they work to establish thresholds for as supplied, as received, and after filling as well as any new liquid tests that should be included. Chair Tom announced that voltage classes will be added to the Spring 2019 agenda.

TF3-Mixture of Insulating Liquids

Alan Sbravati has agreed to take over as task force chair for mixture of fluids. Alan questioned how retrofilling should be handled in this guide. It was decided to bring the question before the Insulating Fluids Sub-Committee of whether to make retrofilling it's own guide.

TF4- Maintenance of Insulating Liquids, Rich Simonelli

Rich reported that he is still looking for volunteers for his task force. Jim Thompson, Mike Lau, Jon Karas, Andrew Holden and Jimmy Rasco volunteered to assist. Rich also questioned whether re-refined oil is a maintenance classification to consider. It was decided it would not be considered as part of the task of maintenance since the oil is treated off site. It was further decided that more information is needed from ASTM to determine if this is a fluid for consideration under this guide.

T5- Insulating Liquids for LTC's, Rainer Frotscher

Rainer delivered a presentation that defined the parameters and the relevance for tap changers and the specific requirements of different liquids used in tap changers. The task force also identified the suitability of fluids for different tap changer types. The task force also identified potentially new liquid tests for both new and in-service fluids that should be considered for tap changer applications as well as developing thresholds for greater than 230 kV.

Old Business:

Chairman Prevost addressed 'New' Insulating Liquids or 'Unused' Insulating Liquid previously questioned.

As supplied by manufacturer: D3487

As received: C57.106 meet D3487 and Table 1.

After filling: C57.106 must conform to Table 2 (230 kV or > 230 kV).

The working group will continue the discussion of new fluids at the next meeting.

New Business:

Chairman Prevost stated that voltage levels within the acceptance tables will be discussed at the next meeting. Introductory material to facilitate this discussion will be distributed before the next meeting.

The meeting was adjourned at 3:00 pm.

Scott Reed, Vice Chair