

ASTM Committee D27 Electrical Insulating and Gases Liaison Report

Thomas Prevost

IEEE/PES Transformers Committee

April 26, 2021

Virtual

AGENDA

Introduction to ASTM D27

Current Hot Topics

Future Meetings

Committee D27 on Electrical Insulating Liquids and Gases

ASTM Committee D27 on Electrical Insulating Liquids and Gases was formed in 1959. D27 meets twice each year, in November and May, with about 30 members participating in 12 meetings over two days. The Committee, with a membership of approximately 90 members, currently has jurisdiction of over 60 approved standards that are published in the Annual Book of ASTM Standards, Volume 10.03

D27 Committee Scope

The promotion of knowledge pertaining to electrical insulating liquids and gases, whether of synthetic or natural origin, and the recommendation of standards pertinent to these materials.

The principal materials included in this scope are oils of petroleum origin, synthetic liquids, halogenated and other gases, when used, singularly or as combinations, as electrical insulation or as an environment for electrical insulation.

Standards peculiar to solid insulating materials and varnishes and the development of standards pertaining to the nonelectrical uses of liquid and gaseous materials are excluded from the scope of Committee D27. Development in these fields incidental to the normal work of Committee D27 will be coordinated with the appropriate technical committees of the Society.

Committee Officers

Chairman:	Lance R. Lewand
Vice-chairman:	Edward W. Casserly
Secretary:	Michael Bonn
Staff manager:	Kelly Paul
Admin assistant:	Lindsey Limone
Editor:	Christine Leinweber

Subcommittees

D27.01 Mineral

D27.02 Gases and Non-Mineral Oil Liquids

D27.03 Analytical Tests

D27.05 Electrical Test

D27.06 Chemical Test

D27.07 Physical Test

D27.15 Planning Resource and Development

D27.90 Executive

D27.91 I.E.C. TC 10 and Advisory

D27.95 Awards, Special Events, and Bylaws.

ASTM D27 Hot Topics

Last meeting: Nov 16-17, 2020 Virtual

Subcommittee Reports

D27.01 - Mineral Oils, Jimmy Rasco:

- The new standard specification for rerefined mineral insulating oil (WK31231) in ballot resolution.

D27.02 - Gases and Non-Mineral Oil Liquids, Denis Lafrance:

- The new standard specification for synthetic esters (WK46195) will be re-balloted at both sub-committee and main committee.

ASTM D27 Hot Topics

D27.03 - Analytical Tests, Claude Beauchemin:

- New test method for methanol and ethanol in electrical insulating oils of petroleum origin has been approved.

D27.05 - Electrical Tests, Sandra Smith:

- Developing test method for PD inception of electrical insulating liquids

D27.06 - Chemical Tests, Lance Lewand:

ASTM D27 Hot Topics

D27.07 - Physical Tests, William Hand:

D27.95 - Awards, Special Events, Bylaws, Clair Claiborne:

D27.15 - Planning, Resources and Development, Kevin Rapp:

D27.91 - IEC TC 10 Advisory, Kevin Rapp:

Kevin Rapp presented the IEC TC 10 Advisory report.

Future Meetings

May 17-18, 2021 Virtual

Nov 14th -16th 2021; Atlanta Marriott Marquis, Atlanta GA