

Insulated Cable Engineers Association (ICEA)

Standards and Activity Review

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ICEA is a “not-for-profit” organization dedicated to developing cable standards for the electric power, control, and telecommunications industries. Members are from leading cable manufacturers.

- Sponsor Manufacturers – 21
- Members – approx. 61
- Divisions:
 - Energy
 - Communications

Energy

Sections:

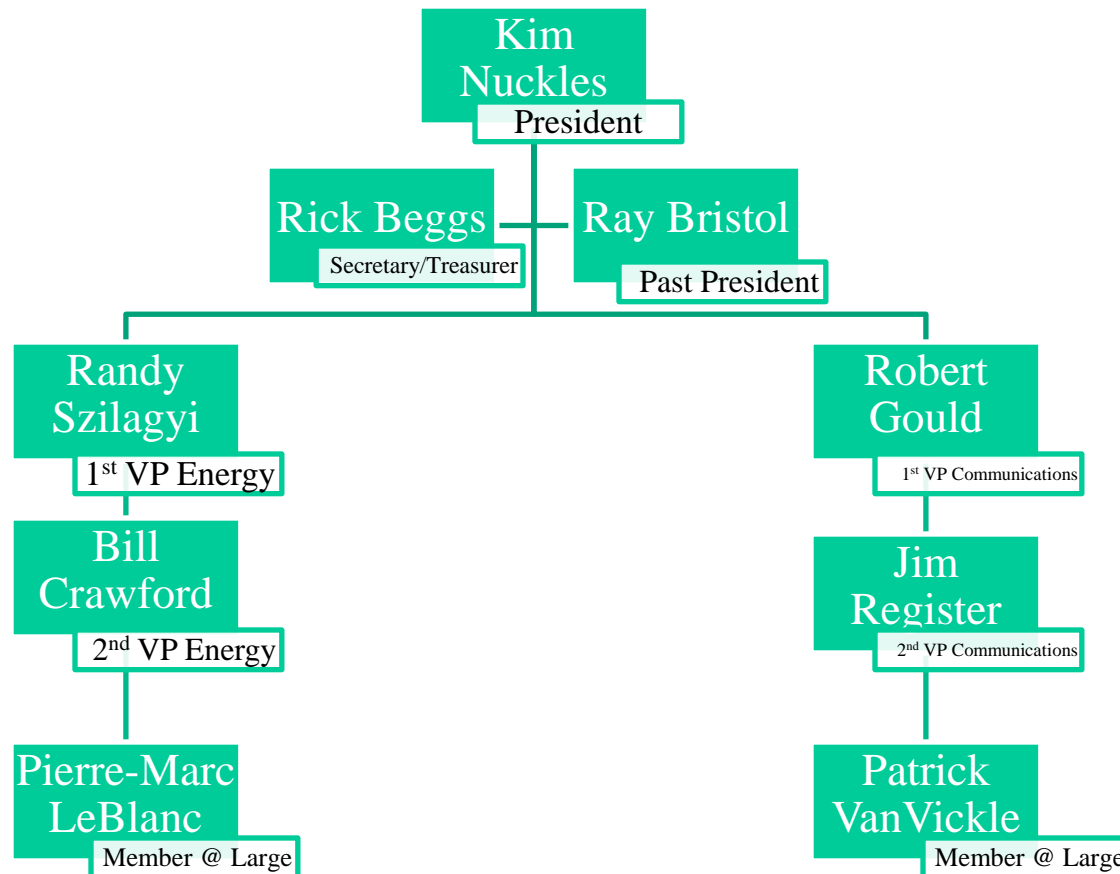
- Power
- Control & Instrumentation
- Portable

Communications

Sections:

- Fiber
- Copper

ICEA Organization



ICC A14D User Input Documents Include:

- **ANSI/ICEA S-94-649-2013**
- **ANSI/ICEA S-97-682-2013**
- **ANSI/ICEA S-108-720-2012**
- **WG 684 New Performance Based Standard**

Recently Published

- ANSI/ICEA T-22-294 Test Procedures for Extended Time-Testing of Wire and Cable Insulations for Service in Wet Locations
(new ANSI document)
- ICEA T-25-425 Guide for Establishing Stability of Volume Resistivity for Conducting Polymeric Compounds of Power Cables
- ANSI/ICEA P-117-734 Ampacities for Single Conductor Solid Dielectric Power Cables 15kV Through 35kV
(new ANSI document)

Publishing Soon

- ICEA P-54-440 Ampacities of Cables in Trays
- ANSI/ICEA S-70-547 Weather- Resistant Polyethylene Covered Conductors
- ANSI/ICEA S-113-684 Performance Based Standard For Electric Utility Extruded Dielectric Shielded Power Cables Rated 5 Through 46 kV

Documents at ANSI/NEMA for Ballot

- ICEA S-75-381 (NEMA WC58) Portable and Power Feeder Cables for use in Mines and Similar Applications
- ICEA T-27-581 (NEMA WC53) Test Methods for Extruded Dielectric Cables
- ICEA T-32-645 Test Methods for Establishing Volume Resistivity Compatibility of Water Blocking Components with Extruded Semiconducting Shield Materials

Recent ICEA Ballots

- ICEA P-45-482 **Short Circuit Performance of Metallic Shields and Sheaths on Insulated Cable**
(Ballot closed 3/25/16)
- ICEA S-95-658 (NEMA WC 70) **Non-shielded Power Cables Rated 2,000V or less**
- ICEA S-121-733 **Spacer Cable/Tree wire**

In The Revision Process

- **ANSI/ICEA S-73-532 (NEMA WC57)** **Control, Thermocouple, Extension and Instrumentation cable**
- **ANSI/ICEA S-81-570-2012** **Standard For 600 Volt Rated Cables Of Ruggedized Design**
- **ICEA T-33-655-1994** **Low-Smoke, Halogen-Free (LSHF) Polymeric Cable Jackets**
- **ANSI/ICEA S-108-720-2012** **Extruded Insulation Power Cables Rated above 46 kV Through 345 kV**

ICEA Presentations – Cable Tests Topics

- ICEA Medium Voltage - Insulation Shrinkback Test
 - ICEA Medium Voltage - Hot Creep / Solvent Extraction / Wafer Boil Tests
 - ICEA Heat Shock & Heat Distortion Test
 - ICEA Absorption Coefficient
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- History of Wall Thickness on Medium Voltage Cables - **Tentative Fall 2016**

Presentations are posted on the ICEA website under “Technical Topics”

- ICEA Web site at <http://www.icea.net>

Questions