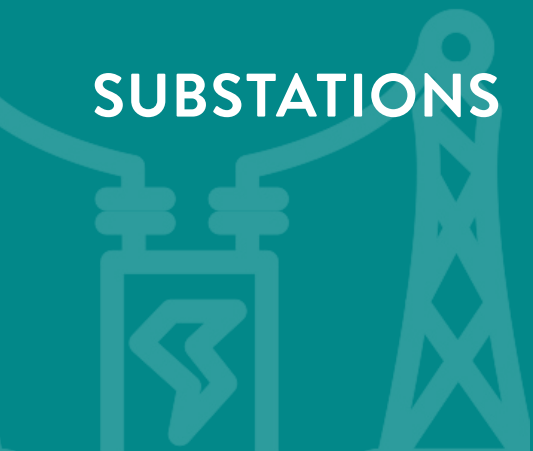


**OVERHEAD**

- ▲ Contamination Performance of Insulators
- ▲ Determination of NESC C2-2023 Clearances – Module 1 Webinar Video
- ▲ Determination of NESC C2-2023 Clearances – Module 2 Webinar Video
- Directional Testers for Measuring the Ground Resistance of Transmission Structures
- HVDC Basics Part 1 and 2
- HVDC Transmission Basics – Part 2
- Lightning & Grounding: Backflash Fundamentals – Part 1, 2, and 3
- Lightning & Grounding: Grounding for Lightning Performance
- Lightning & Grounding: Intro to Surge Arresters
- Lightning & Grounding: Introduction and Basic Principles
- Lightning & Grounding: Introduction to Grounding
- Lightning & Grounding: Lightning Impulse Strength of Insulator Strings
- Lightning & Grounding: Lightning Stroke Attraction to Transmission Lines
- Lightning & Grounding: Modeling & Verification Process
- Measuring Transmission Line Grounds Using the Clamp-On Method
- Measuring Transmission Line Grounds Using the Fall of Potential Method
- Measuring Transmission Line Grounds Using the Zed-Meter
- OH Connectors - Introduction to Conductor Connections
- ▲ Live Work Computer-Based Training
- OH Connectors - Introduction to Conductor Connections
- OH Connectors - Using a Single Stage Connection
- ▲ OH Connectors - Using a Two Stage Connection
- OH Connectors - Using an Implosive Connection
- Optimal Phasing for EMF Mitigation
- ▲ OTLOT - Overhead Line Inspection
- Overhead Transmission Connectors 101
- Storing, Transporting, and Installing Polymer Insulators
- ▲ Structure Grounding Measurement
- Temporary Protective Grounding of Transmission Lines
- Transmission Corrosion Basics - Part 1 and 2
- Transmission Lines – Lightning and Grounding Basics: Introduction to Grounding



**SUBSTATIONS**

- Circuit Breaker Restrike Explained
- Insulator Contamination Basics
- ▲ Non-Invasive Transformer Condition Monitoring
- ▲ Novel Fluids and Materials
- On-Line Partial Discharge Detection: When to Use It and How to Interpret It
- Optimal Oil Sampling Practices
- Power Transformer Fundamentals
- ▲ SF<sub>6</sub> (Sulfur Hexafluoride)
- Surge Arrester Training
- Transformer: Alternative Fluids for Transformers - The Basics
- Transformer: Basics
- Transformer: Different Approaches to On-line Bushing Monitoring
- Transformer: Different Approaches to On-line DGA Monitoring
- Transformer: Dissolved Gas Analysis (DGA) & Transformers
- Transformer: DGA - Interpretation of Results and On-Line Monitoring
- Transformer: Natural and Synthetic Esters and Other Alternative Fluids
- Transformer: On-Line Bushing and LTC Monitoring
- Transformer: The Parts That Make Up the Whole
- Transformer: Transformer Ratings for Normal & Overload Conditions
- Transformer: UHF and Acoustic Emission Partial Discharge Detection
- Transformer: On-Line Partial Discharge Detection
- Transformer: Why to Keep Your Transformer Dry?
- Transformer: End of Life Assessment and New Markers
- Transformers: Alternative Fluids: Opportunities and R&D
- Understanding On-Line DGA Monitoring Technologies



**SAFETY**

- Minimum Approach Distance 1: Introduction and Background to MAD
- Minimum Approach Distance 2: What is MAD?
- Minimum Approach Distance 3: How is MAD Determined?
- Minimum Approach Distance 4: Factors that Impact Transient Overvoltages
- Minimum Approach Distance 5: Methods for Establishing MAD
- Minimum Approach Distance 6: How to Reduce Transient Overvoltages
- Minimum Approach Distance 7: Case Studies
- Controlling Transient Overvoltages at the Worksite
- Definition and Calculation of Per Unit Values for Transient Overvoltages
- EMF and Fundamentals of Epidemiology - Part 1 and 2
- Equipotential Zones Preventing Induction Hazards
- Hazards of Step, Touch and Transfer Voltages
- NESC 5mA Rule – Overview and Application



**PLANNING**

- DER Ride-Through Performance Categories and Trip Settings
- ▲ Distributed Energy Resources: Impact on Bulk Power System Operation
- Overview in IEEE Std 1547-2018
- T+D Coordination for DER Ride-through and Trip Requirements
- Transmission Asset Management Analytics Concepts, Needs Formulation & Data Characterization
- ▲ Transmission-Connected Renewable Generation: Impact on Bulk Power System Operation



**MULTIPLE**

- System Protection 101
- System Protection 102
- Transmission 101
- Transmission 201



**OPERATIONS**

- ▲ Grid Stability and Energy Storage 101
- Power Systems Dynamics Tutorial: Frequency Control
- Power System Dynamics Tutorial: System Restoration Training
- Power Systems Dynamics Tutorial: Voltage Control
- ▲ Transmission-Connected Renewable Generation: Impact on Bulk Power System Operation