*EPRIU4 - TRANSMISSION ON-DEMAND CONTENT

Questions? Contact: EU4T@EPRI.com

■ NERC Credits ● Video ▲ CBT

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 Grour

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
- ▲ SF6 (Sulfur Hexaflouride)
- ● 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

*Current content as of 1/2025