

Projects Undertaken in the CEATI Power System Planning & Operations Interest Group (PSPO)

- 3135 Investigation, Control and Mitigation of SSTI and SSCI Between HVDC Installations and Wind Turbines or Turbine Generator
- 3134 Impacts on Transmission System Operations when Integrating DER
- 3133 Fault Current Management at the Medium Voltage Level
- 3132 Voltage Sensitive Load Loss: Guide to Planning Studies and Mitigation Factors
- 3131 PMUs: New Applications and Disturbance Monitoring
- 3130 Minimize Voltage Sensitive Load Loss during Contingencies
- 3129 Transmission Planning with FACTS Devices & Emerging Technologies
- 3128 Assessment of Short Circuit Contribution of Renewables
- 3127 Wear and Tear Impacts of Renewable Generation
- 3126 New Capability Applications Based on Synchrophasor Measurements
- 3125 Dynamic Models for Electric Power Systems In Renewable Resource Integration Studies
- 3124 New York State Power Grid Geomagnetic Storm and E3-HEMP Threat - Vulnerability Assessment
- 3123 Criteria for Tapping Bulk System Transmission Lines
- 3120 Calculation of Short Circuit Currents, their Attenuation and Corresponding X/R Ratios
- 3119 The physiological, psychological, and social effects of shift-work and the potential interventions for alleviating its ill effect
- 3118 Prediction of Power System Instability Based on PMU: Utilizing the ROSE (Region of Stability Existence) Approach
- 3117 Tuning Guidelines for Power System Stabilizers
- 3116 Dynamic Loading of Power Lines to Increase Transmission Network Capacity
- 3115 Maximizing Transmission Capabilities On Existing Rights-of-Way
- 3114 Wide Area Voltage Control
- 3113 Utility Design Practices & Operating Experience with Shunt Capacitor Banks
- 3111 Planning and Operation of Power Systems With Large Percentage of Renewable Energy Sources
- 3110 Transmission Planning Risk Indices
- 3109 Dynamic Loading and Life Management of Power Transformers
- 3106 Use of Lightning Arresters to Protect and Improve Outage Performance of Unshielded Lines
- 3105 Transmission System Planning and Operation under Uncertainties
- 3104 Crinoline – Electromagnetic Compatibility Simulation Program
- 3103 Commitment Techniques for Combined-Cycle Generating Units

3102 Line Arresters: Selection Based on Grounding Impedance and on Arrester
Position
3101 Fault Level Management

Projects Under Initiation

RFP 16.01 (3136) Commissioning and Maintenance Best Practice Guide for HVDC Lines and
Converter Equipment

Potential Collaborative Projects under Consideration

RFP 16.03 Operations and Planning During Light Load Periods with a High Penetration
of Renewable Generation
RFP 17.01 Best Practices for Compliance with NERC Standard TPL-001-004
“Transmission System Planning Performance Requirements

For more information on published reports and ongoing projects within the Power System Planning
& Operations Interest, please visit:

www.ceati.com/pspo

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