

Next Generation Network (NGN) Webinars



Principles of Grounding for Installation and Maintenance

Summary

Transmission and Substation equipment are subjected to Transients and Lightning every day that can cause serious damage or failure. The protection of the power system and the public depend of proper understanding of concepts and diligence. This presentation covers basic principles and philosophy to properly install or enhance the grounding system for shielding, and surge protection [Arresters] . This presentation will hope to provide a guide and interest into a foundational topic for protection of equipment and the public.

Speaker

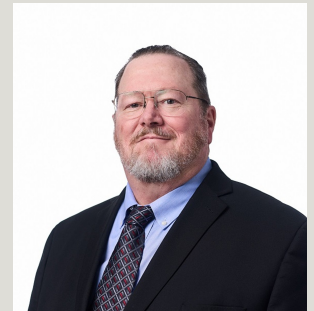
- Mark McVey is an ET Equipment & Technology Senior Strategic Advisor with 40 years' experience at Dominion Energy. He received his B. S. degree in Electrical Engineering from Virginia Polytechnic Institute and State University in 1982.
- Study Committee Technical Chair B3 Substations CIGRE
- Advisor For CIGRE B3 AA3 Air insulated Substations and Convener of CIGRE Brochure 614, 805.
- The CIGRE Technical Council Award B3 2018 Paris, U.S. National Committee of CIGRE Attwood Associates Award 2018, The CIGRE Pioneer 2020 E-session Achievement Award , U.S. National Committee Dale Douglass Award 2023
- USNC Advisor for the USA IEC TC 33 capacitor 1000 volts and above. Appointed Expert Emeritus, IEC TC 33, 2019
- IEEE Fellow 2025
- Chair IEEE Capacitor Subcommittee and WG chair IEEE 1036,1532, 824 and 1726
- Virginia Tech Electrical & Computer Engineering Advisory Board 2024
- Published over 30 papers and articles, Contributing Author CIGRE Substations Green Book and McGraw Edison Handbook for Engineers

Links & Information

Thursday, June 19, 2025
12 pm CDT | 1 pm EDT

Duration: 1.5 hours

[Register Here](#)



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