

# IEEE Std 3003.2-2014 IEEE

## Recommended Practice for Equipment Grounding and Bonding in Industrial and Commercial Power Systems

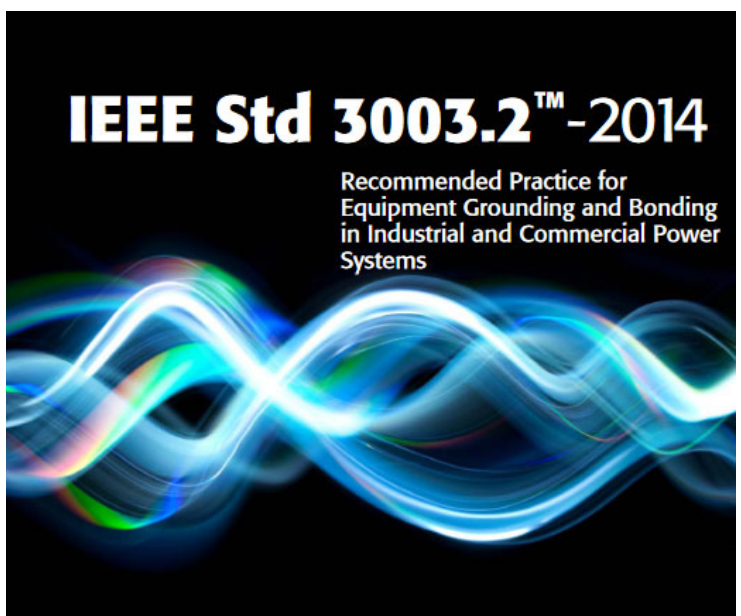
Join us for our IEEE November Tech Talk on Grounding and Bonding.

**Tuesday, November 30, 2021  
at 4 pm PST**

*Live Stream from Seattle Washington*

The grounding and bonding of equipment in industrial and commercial power systems is covered in this recommended practice. The interconnection and grounding of the non-electrical metallic elements of a system are covered first. This is followed by a discussion of the objectives of equipment grounding and bonding, including minimizing electric shock hazard to personnel, providing adequate current carrying capability for ground faults, and ensuring the timely operation of overcurrent protection. Our Tech Talk we will be discussing:

- AC Substation Grounding Grid Design Basics
- Low Resistance Vs. High Resistance Vs. Solidly Grounded DC Equipment Enclosures
- Grounding Methods for Passenger Station Platform Screen Doors



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Raymond Strittmatter Senior Systems Project Engineer at Lea+Elliott, Inc. Design, computer modeling, and onsite tender documents preparation for the Dubai Route 2020 Project's 132kV/33kV/750Vdc power distribution networks for a new 15km 3rd rail transit system and upgrading the existing Red and Green Lines for 90 second train headways. Project involves three new 132kV/33kV Main Power Substations with 132kV & 33kV GIS, 33kV power distribution system, and DC WESS & reversible substations for the world's longest driverless train system with no onboard braking resistors. Raymond graduated from the Gannon University in Erie Pennsylvania.

Register at <https://events.vtools.ieee.org/m/289812>

Mike Brisbois | 708.668.5488 | [mike.brisbois@ieee.org](mailto:mike.brisbois@ieee.org)

