



AT-A-GLANCE

DAY TWO OVERVIEW

- NFPA 70E Chapter 2 – Safety Related Maintenance Requirements
- NETA Maintenance Testing Specification

DAY TWO - NFPA 70E Chapter 2: Safety-Related Maintenance Requirements



NFPA 70E CHAPTER 2 - SAFETY RELATED MAINTENANCE REQUIREMENTS

- Practical safety - related maintenance requirements for electrical equipment and installations in workplaces as included in 90.2
- Identify maintenance directly associated with employee safety
- Describe how maintenance is defined as preserving or restoring the condition of electrical equipment and installations, or parts of either, for the safety of employees who work where exposed to electrical hazards
- Specific components discussed include, but are not limited to:
 - Single-line drawing interpretation and data
 - Short circuit current and coordination considerations
 - Overcurrent protective devices
 - Power cables
 - Switchgear
 - Power and distribution transformers
 - Power circuit breakers
 - Molded/insulated case circuit breakers
 - Fuses

DAY TWO - Continued



NFPA 70E CHAPTER 2 - Continued

- NFPA 70B referenced for maintenance and testing methods (2016 NFPA 70B Chapter 11 considerations)
- Specific equipment type testing requirements and interval frequency of testing (2016 NFPA 70B Annex L)
- 2016 NETA maintenance testing specification results interpretation and recommendations
- How “failed” test results and/or inadequate maintenance impact arc flash energies
- What constitutes an effective EPM Program in a facility (2016 NFPA 70B Chapter 5)
- Planning and developing an EPM program (2016 NFPA 70B Chapter 6)



NETA MAINTENANCE TESTING SPECIFICATION

- Maintenance testing frequencies
- Visual/mechanical inspections
- Electrical tests
- Functional tests
- Specific test instruments
- Results-limits and interpretations
 - Positive results
 - Negative results
 - Courses of actions
 - Developing action plans

