

NFPA 70B - Standard for Electrical Equipment Maintenance



A DIVISION OF ECPI UNIVERSITY

The 2023 edition of the NFPA 70B Standard for Electrical Equipment Maintenance has undergone significant revisions since the previous edition. The 2023 edition changed from a “Recommended Practice” to a “Standard.” Per the NFPA, standards contain mandatory provisions and use the word “shall” to indicate a compliance requirement. NFPA 70B covers the preventive maintenance of electrical, electronic, and communications systems and equipment to protect people and property from the risks associated with the failure of electrical equipment.

70B identifies fundamental tests which are required on various types of electrical equipment such as cables, motors, circuit breakers, switchgear, and transformers and other equipment addressed by the standard. These fundamental tests are discussed throughout the training and related to the new Equipment Condition Assessment matrix introduced in the 2023 NFPA 70B.

NFPA 70B Training ROI includes reduced downtime, the implementation of predictive maintenance technologies to coordinate scheduled maintenance, improved uptime & productivity, increased employee morale, improve OSHA compliance and mitigation of insurance costs.

WHAT THIS COURSE COVERS

- Define Standard vs Recommended Practice
- Reliability Centered Maintenance (RCM)
- Creating an Electrical Maintenance Program (EMP)
- Equipment Assessment
- Maintenance Intervals
- Insulation Resistance Testing
- Infrared Thermography
- Conditions of Maintenance

WHO SHOULD TAKE THIS

- Planners of Electrical Maintenance
- Supervisors of Electrical Maintenance
- Plant Managers
- Electrical Engineers
- Workers Performing Electrical Equipment Maintenance Tasks

COURSE OUTCOMES

- Become Familiar with the Organization of NFPA 70B
- How to Organize & Implement an Electrical Maintenance Program (EMP)
- How to Use the Text & Forms with Real World Practical Examples
- Learn Basic Test and Inspection Procedures, New Technologies, Tips, Case Studies
- Reduce Injury, Unexpected Equipment Failures

COURSE AGENDA

- Introduction to NFPA 70B 2023
- Definitions
- General Requirements
- Personal Safety
- Diagrams and System Studies
- Fundamental Tests
- Field Testing and Test Methods
- Maintenance Intervals



Lecture



Hands-on



ONSITE: 2-days (16 hours)



LIVE ONLINE: 2-Days (16 hours)



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NFPA 70B Sales Overview Agenda v01242024-b