

Electrical equipment maintenance

NFPA 70B standard*



This one-day course is designed for safety, maintenance and operations leaders tasked with helping ensure employee safety and the reliability of electrical equipment.



Course length:
Half day

Course details

The program offers a detailed exploration of the NFPA 70B standard, focusing on the requirements for establishing an effective electrical maintenance program and developing a preventive maintenance strategy that complies with the standard.

Participants will also gain insights into the critical intersection between the NFPA 70B standard for electrical equipment maintenance and the NFPA 70E standard for safe work practices, equipping them with the knowledge to enhance both safety and operational reliability in their organizations.



Key takeaways from this training

- 1 The relationship between NFPA 70B and NFPA 70E
- 2 The scope, purpose and implementation of NFPA 70B
- 3 The key components of a compliant electrical maintenance program
- 4 The role and responsibilities of an electrical maintenance program (EMP) coordinator
- 5 Determining condition of maintenance and physical condition of electrical equipment

* Please note this program contains graphic material



Training outline



Standards for electrical maintenance

- NFPA 70B
- NEMA
- ANSI
- NFPA 70 NEC
- NFPA 70E



Electrical maintenance program

- Inspection of equipment
- Equipment-specific maintenance tasks
- The current condition of maintenance
- Incident investigation
- Audit requirements
- Cleaning of electrical equipment
- Identifying an EMP coordinator



Scope and purpose of NFPA 70B

- What NFPA 70B covers
- The purpose of this standard



Electrical maintenance program coordinator

- Role and responsibilities



Electrical maintenance training

- Training requirements



Rework and retrofitting equipment

- Rework requirements
- Safety certification



Electrical equipment lighting

- Inspection
- Cleaning



Single-line drawings

- Primary reference for system studies



Short-circuit studies

- A requirement under the standard “shall be created”
- Coordination and arc flash studies



Reducing electrical hazards

- New technologies