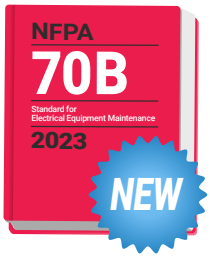
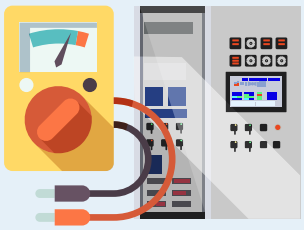
NFPA 70B
STANDARD FOR ELECTRICAL EQUIPMENT MAINTENANCE

electrical safety FOUNDATION INTERNATIONAL



The **2023 edition of NFPA 70B** introduced the document as a **new standard** rather than a recommended practice. These **new requirements** cover what ***must* be done** to maintain electrical equipment. Chapter 1.2 of NFPA 70B lists its purpose as "to provide for the practical **safeguarding of persons**, **property**, and **processes** from the risks associated with failure, breakdown, or malfunction and a means to establish a **condition of maintenance of electrical equipment and systems for safety and reliability**."

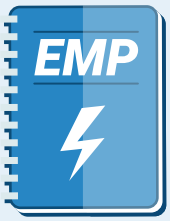
REQUIREMENTS IN NFPA 70B: STANDARD FOR ELECTRICAL EQUIPMENT MAINTENANCE



Electrical equipment shall be maintained in accordance with **manufacturer's instructions** and applicable codes and standards. NFPA 70B is not intended to duplicate or supersede manufacturer's instructions.



The EMP shall identify an **EMP coordinator**. Personnel assigned to EMP duties shall be qualified for the assigned tasks.



Equipment owner shall implement and document an overall **Electrical Maintenance Program** (EMP) that directs activity appropriate to the safety and operational risks.



A **qualified person** responsible for conducting electrical maintenance **shall be trained** in the specific maintenance task, test methods, test equipment, PPE usage (as applicable), and hazards associated with the electrical equipment or systems being serviced.

ELECTRICAL MAINTENANCE PROGRAM REQUIREMENTS



An **electrical safety program** that addresses the condition of maintenance



Survey and analysis of electrical equipment and systems to determine **maintenance requirements and priorities**



A **plan of inspections**, servicing, and suitable tests



A process to **prescribe, implement, and document corrective measures** based on collected data



Identification of personnel responsible for implementing each element of the program



Developed and documented maintenance procedures for equipment



A **maintenance, equipment,** and **personnel documentation** and **records-retention policy**



A process for **incorporating design for maintainability** in electrical installations



A **program review and revision process** that considers failures and finding for continuous improvement

ELECTRICAL MAINTENANCE SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS

A qualified person is one who "has demonstrated skills and knowledge related to the construction and operation of electrical equipment and installation and has received safety training to identify the hazards and reduce the associated risk"