NFPA 70B: Standard for Electrical Equipment Maintenance

What does this mean for safety? Derek Vigstol e-Hazard Management, LLC

This session is eligible for 1.25 Continuing Education Hours.

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- Have your badge scanned at the door
- Attend 90% of this presentation
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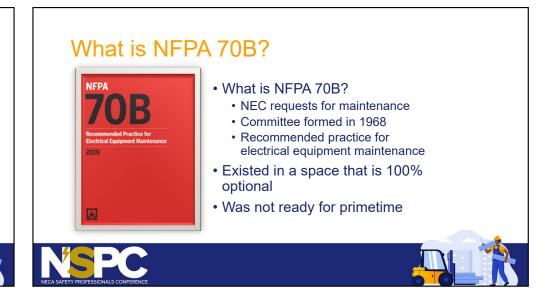




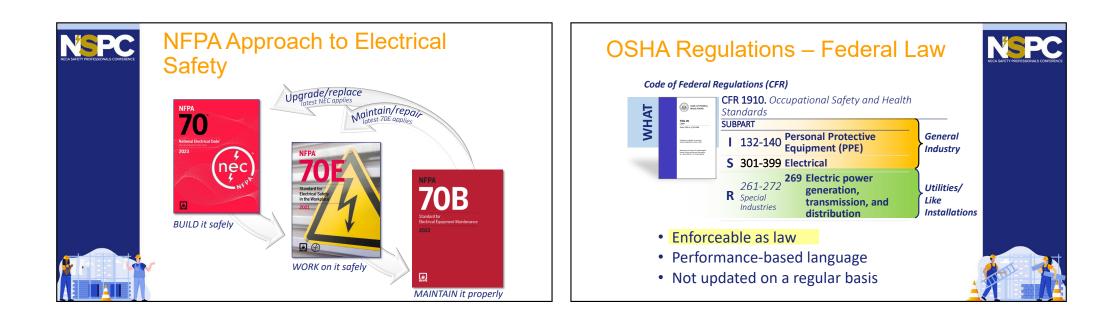
Agenda

NSPC

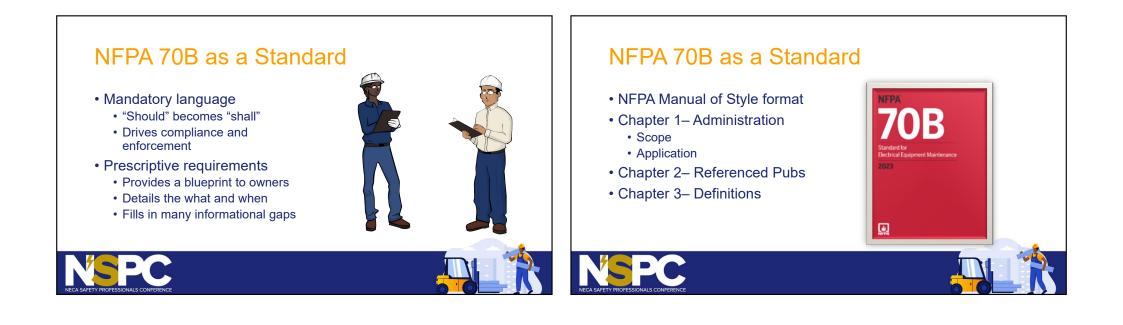
- What is NFPA 70B?
- What regulations apply to maintenance?
- Will NFPA 70B becoming a Standard have an impact?
- · How does maintenance improve electrical safety?
- How can maintenance improve customer service?

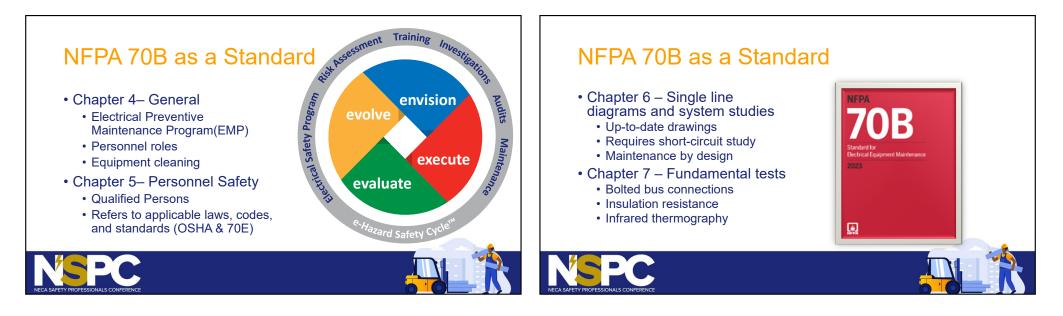












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NFPA 70B as a Standard

- Chapter 8 Field testing and test methods
 - · Special hazards risk assessment
 - Testing category types
 - Testing personnel qualifications
- Condition of maintenance
 - Serviceable
 - Limited Service
 - Non-serviceable



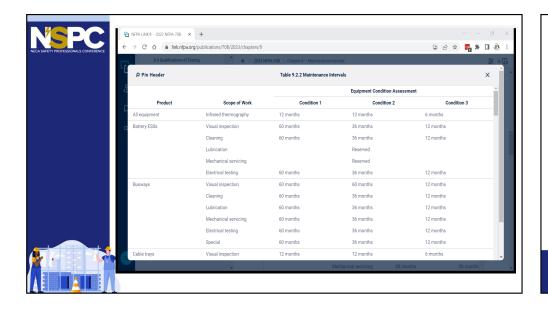


NFPA 70B as a Standard

- Chapter 9 Maintenance Intervals
 - Table 9.2.2

NSPC

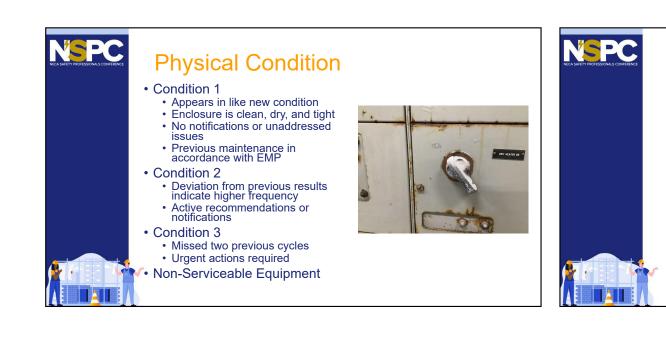
- Referenced by other Chapters
- Can be altered if documented in EMP
- Details frequency of maintenance based on the condition of equipment.



NFPA 70B as a Standard

- Chapter 9 Maintenance Intervals (Cont.)
- Equipment Condition Assessment
 - Physical Condition
 - Criticality Condition
 - Operating Environment Condition





Criticality Condition

- Condition 1 or 2 can be assigned if failure will not endanger personnel
- Condition 3 must be applied if failure can cause injury to workers





Operating Environment Condition

- Condition 1 or 2 can be assigned if the equipment is rated for the environment in which it is installed
 - NEMA 4 enclosure where subject to hosedown conditions
- Condition 3 must be assigned when equipment is in a harsh environment for which it is not rated



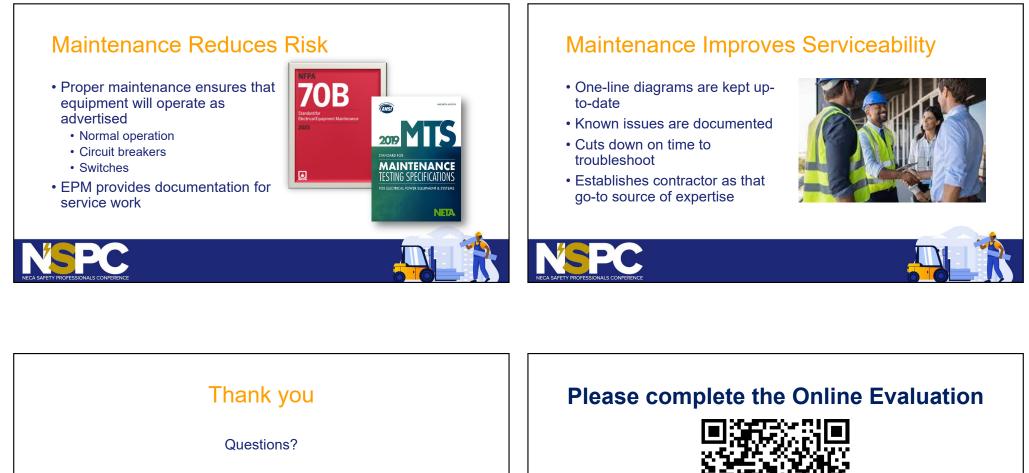
NFPA 70B as a Standard

- Chapters 10 through 38 are specific to certain equipment
 - Chapter 12 Substations and Switchgear
 - Chapter 15 Circuit Breakers
 - Chapter 32 Battery Energy Storage Systems
 - Reserved chapters









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