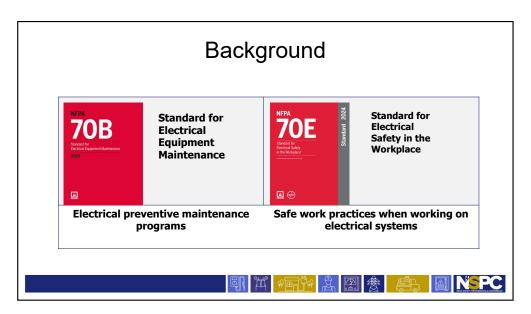
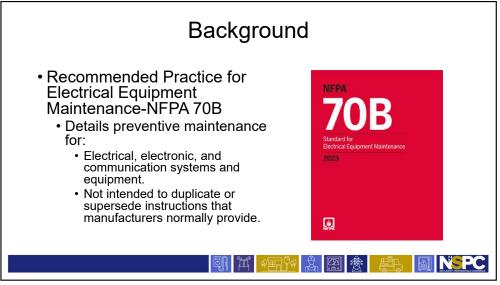
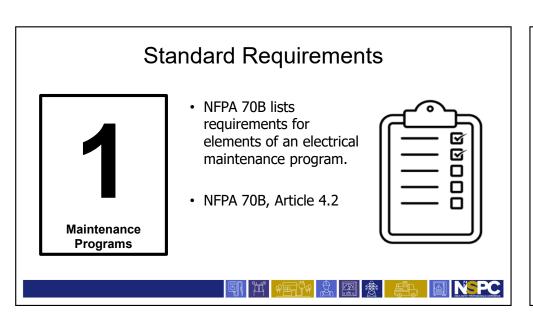
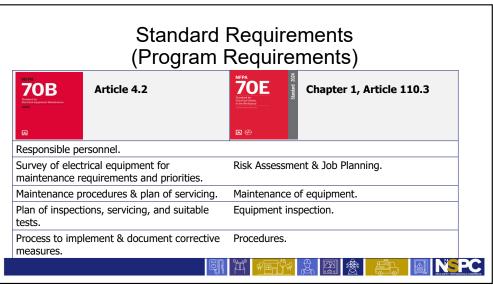


• Authority Having Jurisdiction (AHJ) • An organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.

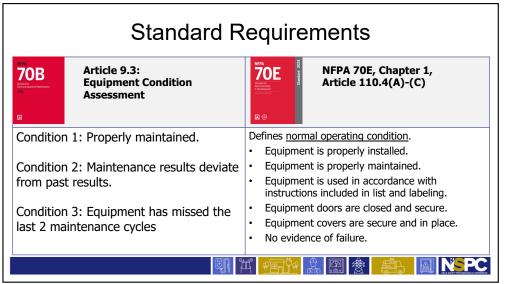


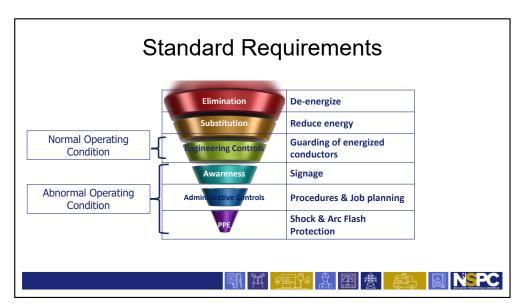


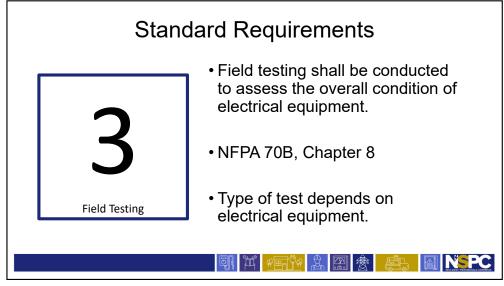


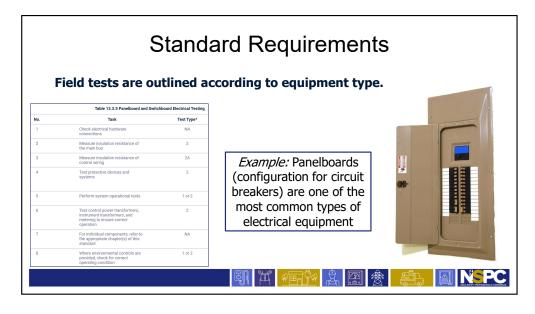


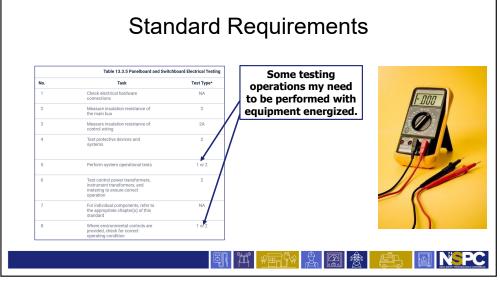


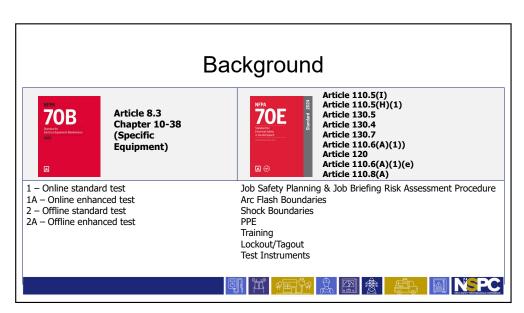


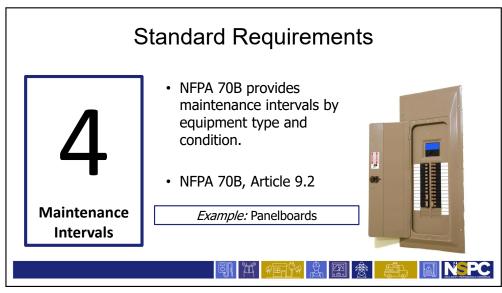


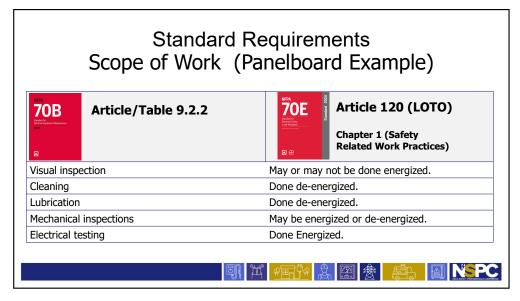




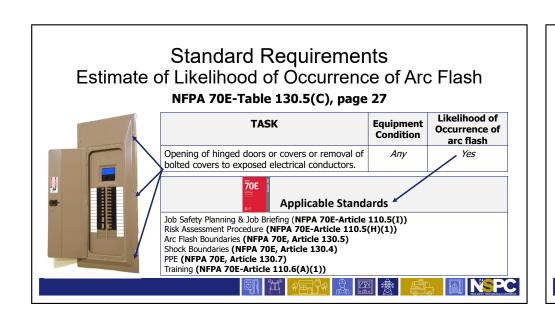






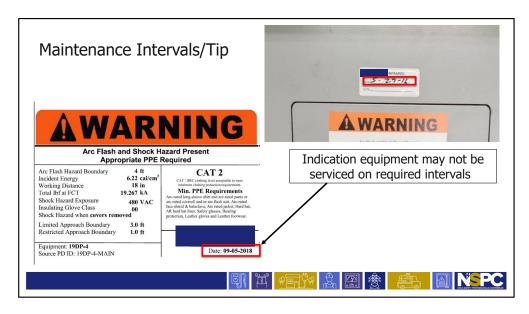


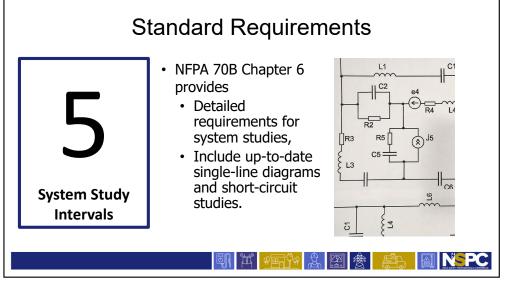




Standard Requirements Frequency of maintenance is based on condition of equipment (panelboard example).

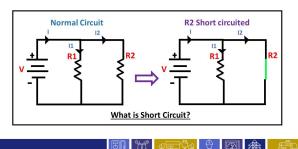
Condition	Assessment Results	Maintenance Frequency
1	Maintained at required intervals.	60 months
2	Previous maintenance cycle revealed issues requiring the repair or replacement of major equipment components.	36 months
3	Equipment has missed the last two successive maintenance cycles.	12 months







- Section 6.3 Short-circuit studies
 - Determine the available short circuit current at each point in the system.





- Section 6.4 Coordination studies
 - Evaluation of faults in an electrical system/analysis of circuit interrupting devices to ensure functionality.
 - e.g.: Is a circuit breaker used as a light switch?















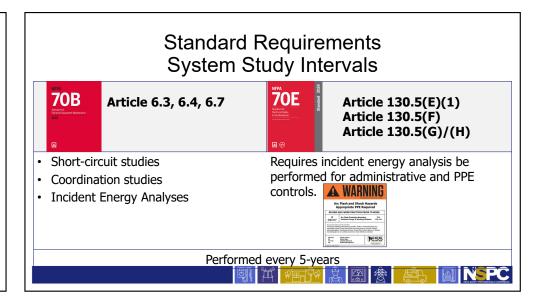


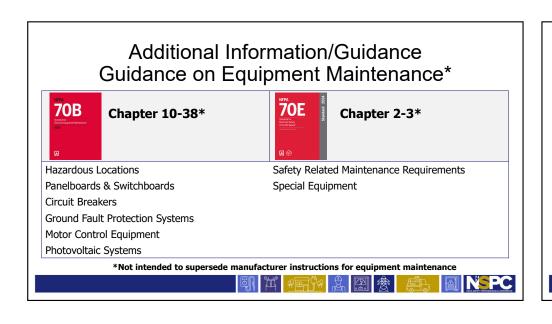
Standard Requirements

- Section 6.7 Incident Energy Analyses
- Determine the risk of an arc flash boundary.









Contractors

- What does your contractor safety program say about energized electrical work?
- Typical energized electrical work that is outsourced:
 - (1) Field Testing
 - (2) IR Thermography
 - (3) System Interval Studies:
 - (a) Short circuit current studies
 - (b) Coordination studies
 - (c) Incident energy analysis

















Contractors

- NFPA 70E, Article 110.5(A), Page 19
- Host Employer
 - Communicate known hazards
 - Report contractor violations of NFPA 70E to contract employer
 - Documented meeting host employer and the contract employer.



Contractors

- NFPA 70E, Article 110.5(A), Page 19
- Contract Employer
 - Communicate hazards to his employees
 - Require that employees follow safe work practices
 - Inform host employer of:
 - Unusual hazards
 - Unanticipated hazards
 - Corrective actions taken as a result of any violations







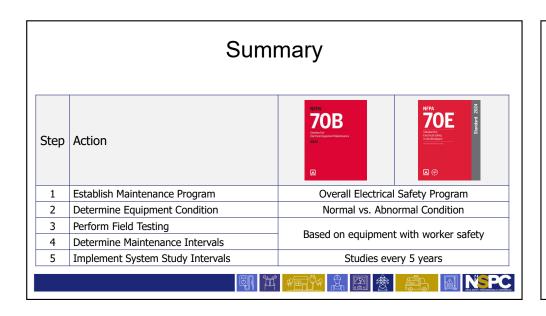


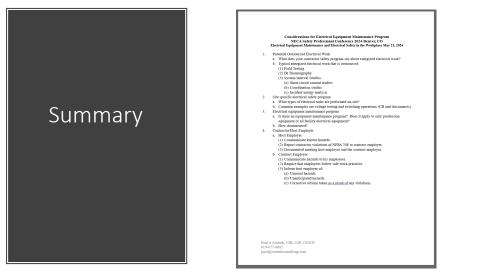












Summary Business Case for Safety

- •An effective electrical safety program, along with an electrical maintenance program, will lead to
 - Higher reliability
 - Longer life of equipment
 - Lower cost



Summary

- NFPA C&E (Orlando), June 18
 - The NFPA 70E Risk Factor: Concepts for Risk Assessment and Reduction in Electrical Safety
 - 4-hour workshop using NFPA LiNK®
- ASSP PDC (Denver), August 5-6
 - Electrical Safe Work Practices with Application of NFPA 70E (2024 Edition)
 - 2-day hands-on course focusing on NFPA 70E hard copy standard



