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What's Your Electrical Safety IQ?

Over the past decade, more than 46,000 workers were injured from on-the-job electrical hazards. An OSHA requirement, NFPA 70E: Standard for Electrical Safety in the Workplace, is an important part of preventing injury, the potential for death, facility equipment damage, loss of productivity and downtime.

Take the Quiz

Test your NFPA 70E electrical safety knowledge with this short true-or-false quiz.

- Q. Employee electrical safety retraining is required by OSHA every 24 months.
- Q. More people are admitted to the hospital with electrical shock injuries than with arc-flash burns.
- Q. A current as small as 5 mA can cause death.
- Q. An unqualified worker wearing proper protection and supervised by a qualified worker may work beyond the restricted approach boundary.
- Q. Personal protective equipment (PPE) that is properly selected to match the calculated incident energy on an arc-flash label will protect a person from receiving injury from burns or trauma.



If you answered true to one or more of these questions, it is likely time for updated training. OSHA holds employers responsible for knowledge of and compliance with the entire consensus standard. While companies may know they are required to provide electrical safety, many overlook training new employees or retraining existing employees when changes are made.

What Is NFPA 70E?

NFPA 70E is a critical link between the National Electrical Code (NEC) and OSHA standards, addressing safety and compliance. It provides necessary information to comply with OSHA standards. NFPA 70E is updated every three years to reflect changes in technology. The most recent update increased the emphasis on risk assessment and hazard awareness. This means that some employees, including workers with any routine electrical exposure risk, need training on NFPA 70E and electrical safe-work practices.

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OSHA's general-duty clause is a catch-all enforcement tool, written to provide OSHA flexibility to mitigate hazards yet to be recognized. OSHA may invoke the agency's general-duty clause, when its own rules and standards fail to sufficiently address certain hazardous working conditions.

Documentation

Workers must demonstrate that they understand the hazards associated with electrical safety in procedures relative to the work they perform. The employer is required to document electrical-safety training for qualified and unqualified workers.



Start Training Now

Providing NFPA 70E electrical safety training to employees doesn't need to be expensive or time consuming. ecs, a multidiscipline firm, provides national on-site workplace safety training. The course instructs individuals about the dangers of electrical hazards and on safety requirements for working around live electrical equipment. After completing the course, employees receive documentation and a training certificate.

The ecs course includes:

- Electrical hazards
- Arc-flash hazard analysis
- Energized work permits
- Arc-flash equipment labeling
- Arc-flash boundaries
- Personal protective equipment (PPE)
- Protection techniques
- Site-specific electrical safety program



For additional information on ecs NFPA 70E training courses, or to request a quote, visit www.e-c-s.com, call +1 763.571.1126 or email admin@e-c-s.com.