

NFPA 70E & CSA Z462

DISCUSSION TOPICS

INNOVATIONS



IN SAFETY & RELIABILITY

CREATE. ENHANCE. SUSTAIN.

CONFERENCE 2019

What is NFPA 70E and CSA Z462?

- » NEC, NFPA 70B & 70E – a brief history – NEC for installation; NFPA 70B for Maintenance; NFPA 70E Safe Work Practices
- » CSA Z462 aligns tightly with NFPA 70E
- » Consensus Standard – the starting point for your Electrical Safety Program
- » Voluntary - it is an industry best-practice standard that the Authority Having Jurisdiction/OSHA happen to use as a defacto code or law
- » Ignore at your own Risk – if you ignore NFPA 70E, and someone gets injured, OSHA will be there with citations

What has Changed?

- » 2015: Normal Operating Condition
- » 2015: Focus on Maintenance & Condition - refers to NFPA 70B which prescribes at least annual IR inspection
- » 2015: Task-based Tables v/ Hazard Risk Category
- » 2018: Risk Assessment – more prescriptive
- » 2018: Hierarchy of Risk Control – mandatory language to eliminate hazards
- » 2018: 40 Cal Myth

Where Do We Go From Here?

- » Maintenance + Condition = Safety – Proper maintenance strategy is now tied to safety, meaning PdM strategy is OSHA reviewable
- » Emphasis on Risk Mitigation / Control
- » Future: More Restrictive
- » What could go wrong? – Ignoring the standards is not an option. Regulatory powers are obvious, recent threats from OSHA (as in Canada) that management is a potential targets for gross violations of employee safety.

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