



# SO LONG NFPA 70E; HERE COMES CSA STANDARD Z462

By Don Horne

Is your company ready for the CSA Standard Z462? A Technical Committee has commenced the development of the Canadian equivalent of NFPA 70E, for its application in Canada.

When released in 2008, the Z462 Standard may be adopted by provincial governments and enacted into law that will mandate Canadian companies comply with the work practices now mandated by OSHA in the United States.

Len Cicero, President of Lenco Training & Technical Services asks, Do you have an effective strategy for implementing Z462 and the changes necessary into your electrical safety work practices?

Len Cicero is an executive member on the committee to develop Z462 and was instrumental in adapting NFPA 70E here in Canada. Len was also a Working Group Chair of the Technical Committee that developed CSA Z460 – The Control of Hazardous Energy - Lockout and Other Methods.

“Requirements for electrical safety-related work practices and maintenance of the electrical system considered critical to safety are not always found in the



Canadian Electrical Code,” says Mr. Cicero.

“There are several gaps found in existing legislation: safety related work practices, working live, Personal Protective Equipment (PPE) requirements, limits of approach for qualified/unqualified workers and in the training of workers.”

Mr. Cicero is a recognized authority in the field of Lockout and Electrical Safety and the “bonding and grounding” for the control of static electricity. A Certified Master Electrician, he has extensive experience delivering value added workplace solutions in both the public and private sectors across Canada.

With CSA Z462 currently being developed by a

Technical Committee, including representatives from the NFPA 70E committee, Mr. Cicero’s presentation on CSA’s Development Plans for Z462 “Canada’s Arc Flash/Electrical Safety in the Workplace” Standard as part of the Electricity Forum’s 2-Day Arc Flash Protection Training forums is invaluable.

The forums offer guidance and common best practices for Electrical Safety in the workplace, and Mr. Cicero’s presentation will present an in-depth review of the development of CSA Z462 and how it will affect your workplace.

“I’ll show you how to incorporate NFPA 70E (CSA Z462) Electrical Safety Standard into your company’s safety program, how to set up an Electrical Safety Program, and the need for training and the determination of qualified workers.”

The dates for these training forums are:

Toronto, January 8-9;

Ottawa, January 10-11;

Montreal, January 11-12 (presentation in French);

Vancouver, January 15-16;

Edmonton, January 17-18;

Fort McMurray, January 18-19;

Calgary, January 22-23;

Saskatoon, January 24-25; and

Winnipeg, January 29-30.

For more information on these forums, you can call

Amanda at 905 686-1040, or go online at

[http://www.electricityforum.com/forums/arc\\_flash.html](http://www.electricityforum.com/forums/arc_flash.html)

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## CSA Z462 is coming

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Along with an introduction to the types of electrical injuries, their causes and a review of incidents and occurrences, Mr. Cicero will explain the details of lock-out/tag-out procedures and techniques and how to establish an effective plan for your company.

Mr. Cicero is sought after for his subject matter expertise and knowledge. He assisted in the revisions of the Government of New Brunswick's Regulations on Lock-out. As well, he served as a member of the Section 0 Subcommittee of the Canadian Electrical Safety Code.

## History

- First reviewed in 2004 by CSA Z460 Technical Committee for reference in this new standard;
- Publication of CSA Z460 in April 2005;
- TC recommended CSA consider adopting NFPA 70E and converting it into a Canadian National Standard;
- Appropriate references to Canadian standards and codes;
- May, 2005, independently CSA was approached by two provincial regulators with requests to adopt NFPA 70E.
- NFPA standard was being used by certain American-based employers and some trade organizations providing training in their Provinces;
- Concerns about the NFPA's relationship to Canadian codes and regulations.
- July 2005, CSA brought proposals before the CAALL-OSH Committee (Canadian Regulatory Authorities);
- CAALL-OSH members expressed interest in this proposal and asked CSA to keep them informed on progress.
- October 2005, CSA sponsored an Electrical Safety Conference. Many employers and safety product manufacturers indicated support of the project.
- January 2006 CSA met with stakeholders to discuss the needs and support for the proposed project;
- February 2006, CSA began to seek support from potential supporters. NFPA was first contacted about the proposal to adopt their standard as a Canadian National Standard.
- April 2006, a written request was sent to NFPA to adopt the NFPA 70E Standard with assurance of NFPA copyright maintenance, credit to the source document, and CSA's intention not to compete with 70E in the U.S.
- May 2006, Arc Flash Protection Committee approached CSA regarding possible involvement with the project.