



**CANADIAN STANDARDS
ASSOCIATION**

**CSA Z462 Progress Report 3
July 6, 2007
Project to Develop a Canadian Standard
on Workplace Electrical Safety (based on NFPA 70E)**

Z462 TC Chair: Mike Doherty

Project Manager: Dave Shanahan

Reporting Period: **March to June, 2007**

Third meeting of Technical Committee held June 14 & 15, 2007 in Halifax, Nova Scotia.

Actions taken from the meeting included;

1. Decisions were made by ballot with respect to maintenance of exclusions for different sectors of the electrical industry. The decisions were as follows;

a) **To be excluded from the scope of the first edition of Z462**

- Electrical transmission and distribution
(CEA to develop a future safety standard specifically designed for electrical utilities and EUSR Handbook published by E&USA may be added to the Annex of Z462).

b) **To be included within the scope of Z462**

- Mining Operations and Quarries
- Marine shipping and ports
- Airlines and air terminals
- Electrical power generation facilities

c) Decisions on the following sectors were delayed until further technical information could be obtained (TC to decide whether or not to include based on an electronic ballot in August, 2007)

- Railways
- Telecommunications

2. The Committee decided to give strong support to certain comments to the NFPA 70E committee on proposed changes to 70E. The comments that the Z462 Committee decided to support were;

- Article 110 scope, **When exposed to electrical hazard ...**
- Preference for the use of "**energized**" vs. "**live**" throughout the standard.
- Article 130.3 on arc flash warning labels. Place a date on the label and move the requirement for the label to Article 110.
- Preference for the term "**visual inspection**" vs. "**observation**".
- ROP 195 with respect to article 130.2 requiring a 2nd person when crossing the prohibited approach boundary.

All sub-committees and working groups made presentations to the Technical Committee outlining work in progress and what their final packages would look like at the October meeting. This included identification of criteria that would remain unchanged from NFPA 70E, and development of rationale for any technical changes that were being proposed.

Executive Summary:

Third meeting of Z462 was held June 14&15, 2007, in Halifax, Nova Scotia. All sub-committees and working groups made presentations to the Committee outlining work in progress and what their final packages would look like at the next meeting, October 15&16, 2007 in Calgary. The Committee made decisions on which sectors would be included and which would be excluded from the Scope of Z462.

Introduction:

This project is to produce a Canadian version of NFPA 70E, Standard on Workplace Electrical Safety, suitable for publishing as a National Standard of Canada, designated as CSA Z462. Z462 would be harmonized with NFPA 70E, with the technical content staying similar while referencing specific requirements in the Canadian Electrical Code and other CSA safety standards. This project is necessary since, while NFPA 70E is becoming the de facto standard for workplace electrical safety across Canada, it does not mention the Canadian Electrical Code, the Control of Hazardous Energy standard, Z460, or the Canadian live electrical work standards from ULC.

Previously Reported Work:

The Technical Committee met previously in October, 2006 at Toronto and in February, 2007 at Calgary. Working groups and sub-committees have been established, and all Terms of Reference for the different working groups and sub-committees have been approved. Approved material has been placed in the Z462 TC On-line Workspace for use by committee members to publicize committee activities. Minutes of the previous meetings have been placed on the Workspace as well.

Recently Completed Work:

All sub-committees and working groups made presentations to the Committee outlining work in progress and what their final packages would look like at the October meeting. This included what would stay relatively the same as 70E, and what changes were being proposed with explanations why.

Decisions were made as to which electrical sectors would be excluded from the scope of Z462, and which would be included. This will be a variance from the scope of NFPA 70E, but is justified due to the different arrangements for the enforcement of health and safety issues in Canada vs. the United States.

Future Work:

All working groups to have their draft documents submitted by September 30, 2007, to allow committee members sufficient time to read and absorb the documents before the October meeting. Working Group 1 to have a proposal in place for voting by July 31, with respect to the inclusion or continued exclusion of the railway and telecommunications sectors. Communications sub-committee to have Z462 public web site up and running before October's TC meeting.