



# ARE YOU COVERED? UNDERSTANDING YOUR LEGAL OBLIGATIONS

## Who We Are

Since 1958, **LINEMAN'S TESTING LABORATORIES of Canada** has been protecting workers and companies by offering customized solutions for electrical safety within the workplace. From comprehensive substation maintenance programs and arc flash studies to the largest inventory in Canada of personal protective equipment, to recertification in Canada's largest NAIL accredited high voltage testing facility, LTL continues to lead the industry as the preferred electrical service and product provider of choice today.

## Our Services

Specializing in engineering services and equipment supply, LTL offers compliant solutions for arc flash protection!

- r Complete engineering services in accordance with NFPA 70E and IEEE 1584
- r Site assessment and data collection
- r Short circuit and protective device coordination studies, and arc flash risk assessment
- r Labelling of all electrical operating devices in accordance with NFPA 70E
- r Full line factory representative of leading personal protective equipment products
- r Training programs

## Why LTL?

Electrical dangers such as shock, electrocution, arc flash, and arc blast will always be present on the job, but safety strategies and proper training can minimize the likelihood of injuries and fatalities. With almost 50 years of experience, LTL helps facilities create safer working environments for those who use or operate electrical systems by providing detailed arc flash studies and a large inventory of arc flash protective equipment (shirts, pants, coveralls, face shields, and other related equipment). An arc flash analysis determines the incident energy levels, boundaries, and necessary personal protective equipment required for the specific work application.

## Legislation

The NFPA 70E has been adopted in Canada as the foremost consensus standard on electrical safety. This standard requires that an arc flash study be performed to determine the properly rated PPE equipment and work method essential for ensuring electrical safety in the workplace.

### NFPA 70E-2004 Article 130.7(A)

Employees working in areas where electric hazards are present shall be provided with, and shall use, protective equipment that is designed and constructed for the specific part of the body to be protected and for the work to be performed.

### Canadian Electrical Code-2006 Rule 2-306: Shock and Flash Protection

#### Sub-rule

- 1) Electrical equipment such as switchboards, panel boards, industrial control panels, meter socket enclosures, and motor control centres that are installed in other than dwelling units and are likely to require examination, adjustment, servicing, or maintenance while energized shall be field marked to warn persons of potential electric shock and arc flash hazards.
- 2) The marking referred to in Subrule (1) shall be located so that it is clearly visible to persons before examination, adjustment, servicing, or maintenance of the equipment.

#### OHSA

It is the responsibility of the employer to take every precaution reasonable in the circumstance for the protection of the worker. The worker shall use rubber gloves, mats, shields and other protective equipment and procedures adequate to ensure protection from electrical shock and burns while performing the work.

#### Federal Rule C-21 (previously Bill C-45), Section 2.17.1

Under this rule, everyone who undertakes, or has the authority, to direct how another person does work or performs a task is under a legal duty to take reasonable steps to prevent bodily harm to that person, or any other person, arising from that work or task.

Call today to speak to an LTL specialist! Visit our website at [ltl.ca](http://ltl.ca).

