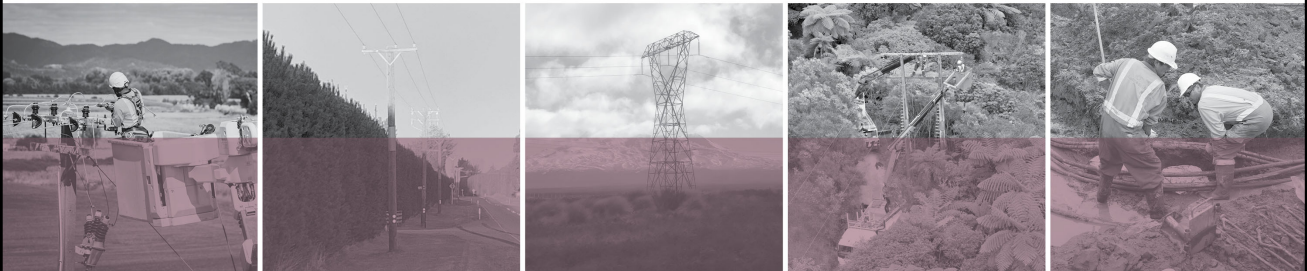


Live Line Training Forum 2021

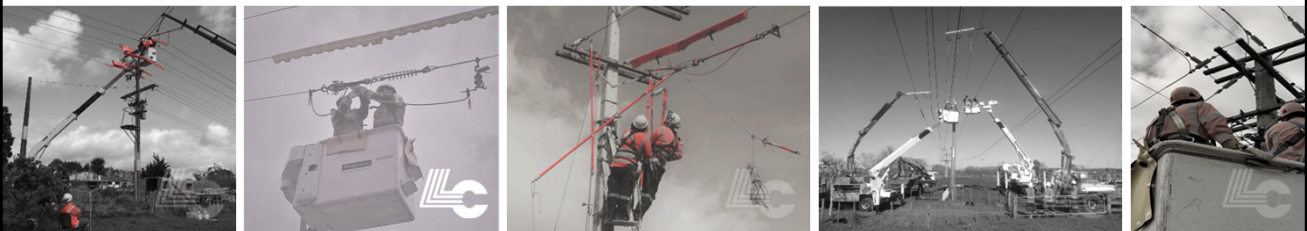


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Live Work Forum Introductions

Richard Ashby – Lines & Cables Training Ltd (formerly Betaa Consultants)



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New Zealand Electrical Code of Practice 46:2003 (NZECP 46:2003)

NEW ZEALAND ELECTRICAL
CODE OF PRACTICE
for
HIGH VOLTAGE LIVE LINE WORK


Part 1
Glove and Barrier


NEW ZEALAND ELECTRICAL
CODE OF PRACTICE
for
HIGH VOLTAGE LIVE LINE WORK


Part 2
Barehand


NEW ZEALAND ELECTRICAL
CODE OF PRACTICE
for
HIGH VOLTAGE LIVE LINE WORK


Part 3
Stick













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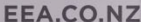
NZ ECP 46 For High Voltage Live Line Work – EEA Practice Notes Published





High Voltage Live Line Work ECP46


- New Zealand Code of Practice 46 for High Voltage Live Line Work 2003 (ECP46)
- Mandated by Regulation 102
- Sets the minimum standards for live work on high voltage overhead lines
- NCLW undertook in consultation with industry a comprehensive review of ECP46 in 2014/15
- Results of review have been consolidated as a EEA Industry Practice Note.
- Document has been provided to Worksafe, input to ECP46 review














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SECTION 1: SCOPE, INTERPRETATION AND GENERAL REQUIREMENTS

1.2.23 Training Provider – means a provider of training who has the knowledge, skills, experience and resources required to deliver training that meets industry standards; and is also one of the following:

- (a) A NZQA registered and accredited training provider or an overseas equivalent (recognised by NZQA); or
- (b) a person or organisation approved by the Secretary to undertake live line training prior to the date of the commencement of this code. This approval is only valid up to the date specified on the approval.

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1.3.4.3 Training and Certification

1.3.4.3.1 Supervision of Live Line Training

All training (including refresher training) shall be carried out under the direct and immediate supervision of a trainer certified by the Training Provider as competent to undertake procedures or techniques being taught.

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1.3.4.3.2 *Live Work Methods Trainers*

- (b) Registration as an Electrician or Electrical Inspector; or be a Qualified Engineer; and
 - (i) documented evidence of 4 years post registration or qualification experience in general line work, including current competence in the equivalent earthed line processes to be undertaken live.
- (c) Demonstrated personal attributes such as responsibility, concentration, communication, a high level of workmanship, and the ability to work in a team.
- (d) A medical examination shall be carried out by a qualified occupational health practitioner to check that the lineworker can physically meet the requirements to carry out the intended work and has no medical condition that could affect the safety of the lineworker or the work team.

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CONEXIS logo with the tagline 'Infrastructure Industry Training Organisation'.

TRANSPower logo with a stylized 'T' symbol.

MITA CONSULTING logo with a stylized 'M' and 'I' symbol.

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1.3.4.3.2 *Live Work Methods Trainers*

- (c) A minimum of 12 months documented work experience in the **method** being taught.
- (d) Have gained competency in instructing techniques.
- (e) Have conducted, to a certified trainer's satisfaction, a full live line work training course in the **method** being taught under the guidance of that certified trainer, and passed that trainer's assessment of the delivery of the instruction in live line work theory and practical techniques.

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1.3.4.3.3 Training in Live Work Methods

- (a) The live work method training shall provide a thorough understanding of both the principles of the live work method as well as a comprehensive practical programme. This training shall include live work theory and application, correct use and maintenance of personal protection equipment, proper care of tools and equipment, and practising the required procedures or techniques on earthed lines before their application on energised lines.
- (b) Lineworkers undergoing live work training shall receive ongoing monitoring during the training programme to ensure their continued suitability for live line work.

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1.3.4.3.3 Training in Live Work Methods

- (c) Trainees who do not hold necessary allied or underpinning live work methods competencies, shall be taught the appropriate techniques, and those competencies shall be gained prior to the commencement of the training in the live work method.
- (d) Competency certification in the live work method shall only be issued when the trainee can demonstrate the required knowledge, skills and experience to carry out the work safely and to the required standards.

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1.3.4.5.5 *Trainer Competency*

Training Providers shall regularly audit the competencies of their trainers to ensure they meet industry competency requirements. This process should include knowledge of live work accident causes, audited non-compliance trends, new technologies, and equipment mechanical and electrical limitations.

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New Zealand ECP 46:2003

1.1.9 This Code does not apply to the following kinds of work:

- (a) The operation of fuses and the changing of the fuse elements;
- (b) The operation of isolators and switches;
- (c) The taking of electrical measurements;
- (d) The measurement of distances;
- (e) The phasing of conductors and fittings;
- (f) The checking and testing of insulator strings;
- (g) The removal of impediments on lines;
- (h) The greasing of fittings;
- (i) Traction live line work under 2,000 volts d.c.

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