



**Keep Training Staff Competent**



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### Trainers Competence ECP 46

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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### Trainers Competence

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.

NZQA – Adult Education Level 4

EWRB – Hold Current Licence & Registration



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How does MITA manager this ?

#### Trainers

- Field inspections against documented live line methods, procedures and techniques at least annually.
- Trainers Logbooks
- Full courses – 35 - Live Line Training Diary
- MITA's Compliance calendar
- Internal & External Moderation of assessors
- Live line refreshers
  - Independent Live Line trainer

#### Trainers – Workshops

- Training Techniques
- Latest Legislation
- Review of procedures




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**On site Task/Experience record** **Live Line Log Book**  
 Candidate to enter on site Task/Experience details

Date	Task performed	Tick appropriate box				
		Method	HS	GB		
		Voltage	11	22	33	66
		Pole	Wood	RC	Steel	
		x-arm	Wood	Steel		
		Conductor	Alu	Cu		
		Position	LW	SO	G	
		Time	2hrs	4hrs	6hrs	8hrs

**Legend:** HS - Hot Stick  
 RC - Reinforced Concrete  
 Cu - Copper  
 LW - Line Worker  
 SO - Safety Observer  
 G - Groundperson

**GB - Glove & Barrier**  
**Alu - Aluminium**



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**Live Line Training Diary**


**Venue:** EIT Hawkes bay  
**Duration:** 9/2/21-26/2/21 (15 working days)  
**Trainers:** Dave Edgar, Jimmy Marinus (under supervision)  
**Training Candidates:** XXXXXXXXXXXX

The course was started on Tuesday as Monday was a Public holiday

**Tuesday (9/2/21) Day 1 EIT Hawkes Bay**

Course opened and welcomed by Dave Edgar, Trainees were issued with MITA Training folders and items covered in introduction included:

- Live Line history
- Course rules
- Content of course
- Expectations
- Outcomes
- Assessment process
- Trainers backgrounds
- Trainees backgrounds
- General housekeeping and emergency procedures for EIT Hawkes Bay



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### Live Line Stick Training Diary

- Conducted a session on the NZ electrical code of practice for HV Live Line work - Section 1 Part 3 Stick. Obviously, there were new terminologies for the team to understand and remember but team was receptive to learning and asked questions when unsure.
- Finished off the day by creating a tool register of live line tooling available on the Unison Live Line trailer plus also cleaning and checking of the equipment on the trailer.
- Trainees received homework for the night.



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### Live line Refreshers

- ECP46 –Discussion, Live line updates
- Discussion on recent Live line accidents/incidents – NZ & Australia
- Electromagnetic fields update
- Covering up second points of contact
- A review of The Codes of Practice for High Voltage Live Line Work – Part 1 Glove and Barrier and Part 3 Live Line Stick.
- Industry Guides
- Written exercises – GnB & Live Line Stick Method
- Practical exercises - GnB & Live Line Stick Method
- Field inspection as per ECP 46



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	<b>Live line Refreshers General Discussion</b>
<p>           Concepts            Second points of contact            Lines &amp; fittings at different potential            Gloves and sleeves care and maintenance            Inspection and testing            Tools and equipment            Insulating barriers            Installation and removal of Insulating blankets            Insulated pole platforms            MEWP            Key points for Crane and machinery         </p>	<p>           General Work Practices            Safety Observers            Step and Touch Potential            Emergency procedures guidelines            Crane mounted mast            Live line tail gate            Conductor size and weights            Basic considerations            Connecting, cutting and testing of cables            Tool working load ratings         </p>



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**Train the Trainer**

- Clarification of learning outcomes
- Individual practice
- Reinforcement of key points and assessment process
- Feedback and review of learning.
- Get a peer's feedback on your delivery
- Sequence of learning activities
- Record your own reflections on the training Record any changes for the next time
- Warm up/icebreaker activity
- Learner - trainer and learner – learner interaction
- Learner participation, pace, monitoring
- Trainer voice level, eye contact, body language
- Two-way communication skills
- Encouragement & acknowledgement of learners



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### Competence Card



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### Competency Classifications/Expiries

EWRB Reg.	LMDQ 2283593 EST 5549	28/02/2021
Vector WTC	1, 2, 3A.1, 3A.2, 3B, 6A-6D, 6G-6H, 7A, 7B 7C-7E, 7J, 8A-8E	15/06/2022
Aurora WTC	2A, 3B, 3D, 3E, 6A-6C, 6E, 6F, 6G, 8A	07/06/2021
Live Line	NCES - Live Work Stick - Level 4 NCES - Glove & Barrier - Level 5 Vector WTC 6E-6F	18/06/2021

mentoring : investigation : training : assessment



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## Health & Safety

At each trainers meeting/forum, we review of all risks and controls associated with Live Line training. This would look at each Live Line procedures and the risk that live line workers are exposure to.

This assessment is based on the assessment of the risk and controls for the type of work.



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## High Voltage Live Line Training Procedure & Policy

The purpose of this document is to provide a frameworks and information to enhance the safety standards relating to training trainers in practices in ECP 46.

The document provides consistent standard procedures for all of MITA's Live line Trainers. This will support the improving safety, technical and quality outcomes relating to Live Line work.



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