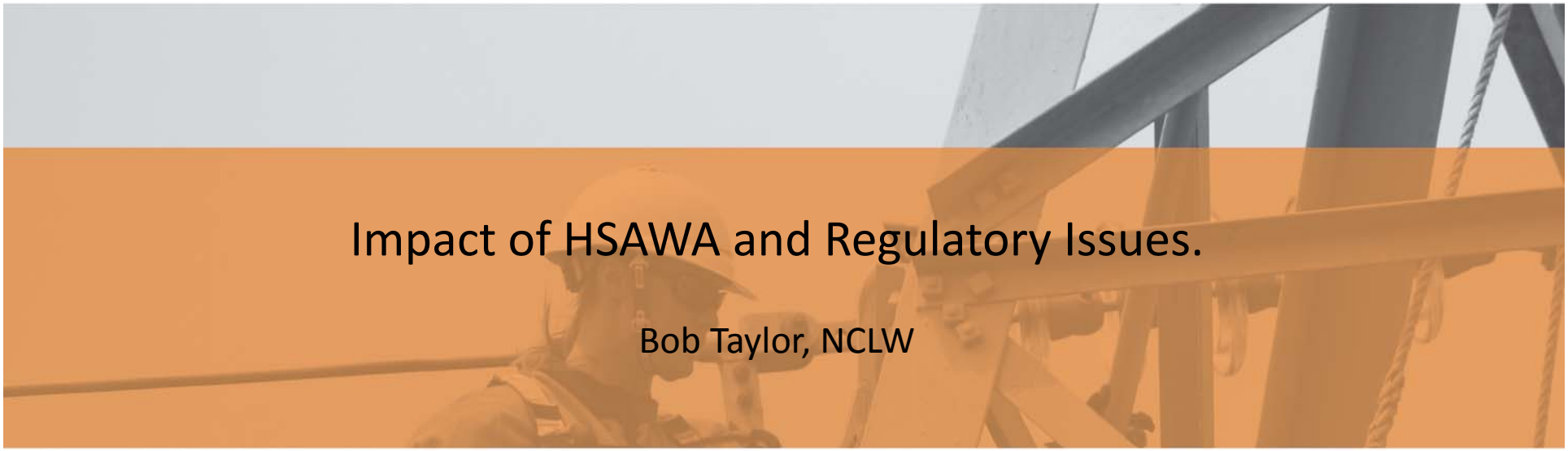
Electricity Engineers' Association

HEALTH & SAFETY

2017



Impact of HSAWA and Regulatory Issues.

Bob Taylor, NCLW

EEA.CO.NZ

Presentation Overview

- Background
- Regulatory Environment
- Industry Response
- Review of ECP46
- Development of a Guide to HV Overhead Work Method Selection
- National Committee Live Work (NCLW)

Background to Live Line Work in New Zealand

- HV Live Line Work developed overseas in 1920's -
- Work practice recognised under Electricity Act 1992 (Section 38)
- Work practice governed by an Electrical Code Of Practice (NZECP 46: 2003)
- NZECP 46 governs work practice on Barehand, Glove and Barrier and Stick methods
- NZECP 46 is closely aligned to the Australian Standard AS5804 - High Voltage Live Working
- Industry lacked guidance to the selection of work methods for work on HV overhead lines

Regulatory Environment

- Electricity Act, Electricity Safety Regulations govern the operation of Electricity Networks
- Electricity Authority and Commerce Commission set specific reliability and economic performance standards (SAIDI, SAIFI)
- Health and Safety in Employment 1995 and Regulations
- Pike River Mine accident 2010
- Health and Safety at Work Act 2015, Regulations and WorkSafe
- Requirement to eliminate risk so far as reasonably practicable; or if risk cannot be eliminated - to take all reasonably practicable steps to protect workers by minimizing risks
- Duties of Officers - responsibility for PCBU's

Industry Response

- “Those who create a risk must manage it”
- Strong focus on safety, maintaining the confidence of our Regulators and self regulation.
- Review of ECP46:2003
- EEA led work to develop a Standard/Guide on the selection of work method for work on HV overhead lines
- Industry engagement with WorkSafe
- Proactive consultation with all stakeholders
- Member of the Australian Live Work forum/ENA UK Live Line Committee

Review of ECP46

- ECP46: 2003 – 14 years old
- Uncertainty over Energysafety review of ECP46
- Current knowledge
- Changes to the Scope, Interpretation, General Requirements and Standards
- Changes to specific requirements for each Method
- Industry consultation and feedback
- Education and implementation
- Future – Review of ECP 46? Possible Joint Australia/New Zealand Standard?

Development of a Guide to HV Overhead Work Method Selection

- International research
- Overarching requirement to de-energize (eliminate) given the reasonably practicable test
- Network risk assessment (unreasonable to de-energize)
    - Strategic importance
    - Balance of risk
    - Significant economic impact
- Work methods and controls (reasonable for a worker to work on bare live conductors)
- Inherent risk of equipment failure or environmental risk

Implementation and next steps

- EEA facilitated workshops to consider network risk assessment criteria
- Specific criteria being developed and implemented by the companies (Network owners and Contractors in consultation)
- Work procedures, resources and controls
- Live work limitations
- Work methods and controls, move back to centralized procedure for development, approval and monitoring of live work procedures
- Review and implementation of auditing standards and quality management systems for training

Thank you

- Paper published
- Contact admin@eea.co.nz

QUESTIONS?