

## Live Line Re-Introduction



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## Background

- Worksafe raised concerns with the industry regarding Live Line work
- Health and Safety at Work Act 2015 placed greater responsibility on officers (Board members and SLT) to verify work practices complied with the Act
- Greater introspection by boards and senior leadership teams led many companies around the country to pause all live line work on their networks
- Like many others, PowerNet followed suit



## PowerNet Internal Audit

#### **Pre Live Line Pause Operational State**

Network preference for work to be undertaken "live" whenever possible (Keep the lights on!)

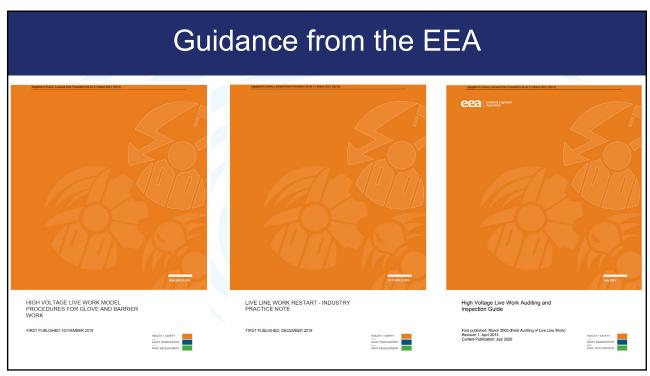
Casual process to scoping and issuing live line work tasks to work crews

Little or no engagement with Live Line Supervisor and crew in undertaking risk assessment at the planning stage

Procedures were flexible and left to the Live Line crews to determine how the job would be completed

Discrepancies existed in the Live Line work procedures and auditing requirements across the industry

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#### Where to from here.....

- Project plan based on the EEA Live Line Work Restart Industry Practice Note
  - Pre-selection interviews and psychometric testing before all refresher training.
  - Engagement with Depot Supervisors regarding team make up and numbers to ensure sufficient exposures
  - Network criticality and safety risk assessment tool created
  - Live line project planning document developed requiring sign off from project manager, depot supervisor and live line team leader for each job prior to scheduling.
  - Refresher training and auditing schedule developed
  - External audit of implementation plan carried out prior to submitting to the PowerNet SLT and Board

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## So What Has changed in PowerNet

# Work Philosophy

"All work defaults to de-energised, isolated and earthed unless it is clearly proven that live line is the safest option"



### **Best Practice**

All live line work is based on Industry developed Standards



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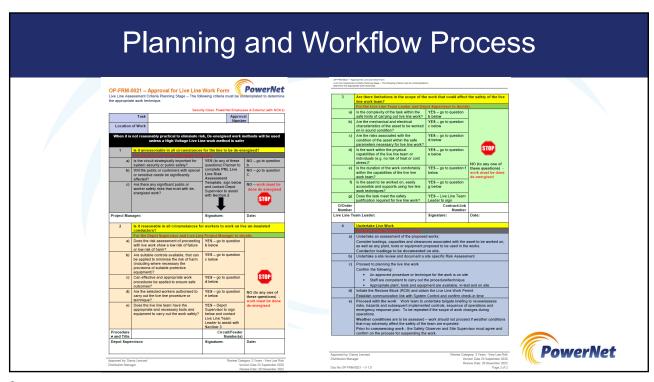
## Collaborative Approach and Decision Making

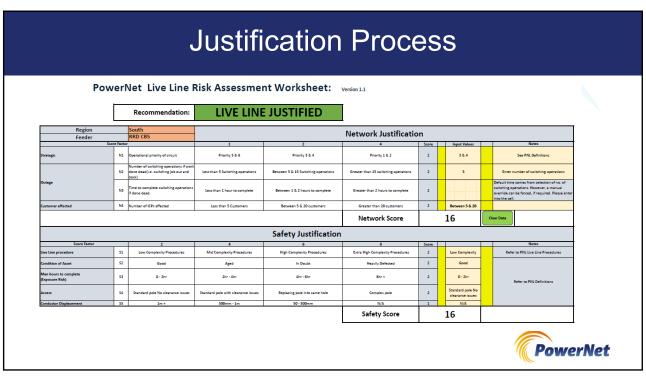
The decision and justification to work live is not made in isolation:

- Project Manager involvement
- Depot Supervisor involvement
- Live Line Team Leader involvement
- Live Line Team involvement

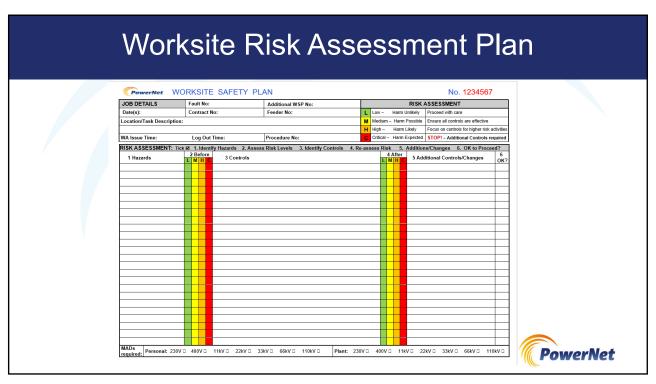
All parties must assess and agree before implementation in the field







Safe Work Method Statement (SWMS)										
LIVE LINE WORK \$AFE WORK METHOD STATEMENT (SWMS)						LIVE LINE WORK SAFE WORK METHOD STATEMENT (SWIMS)				
NOTE: Work must be performed in accordance with this SWMS						What are the tasks involved?	What are t	he hazards and risks?	What are the control measures?	
This SWMS must be kept and be available for inspection until the high risk live line work to which this SWMS relates is completed. If the SWMS is revised, all versions should be kept.						List the work tasks in a logical order:		hazards and risks that may to workers or the public:	Describe what will be done to control the risk. What will you do to make the activity as safe as possi	ble?
If a notifiable incident occurs in relation to the high risk live line work in this SWMS, the SWMS must be kept for at least 2 years from the date of the notifiable incident.  Live Line Approval No:										
Project Manager/Planner:		Depot Supervisor:								_
Project Manager Contact Phone:		Date SWMS provided to Depot Supervisor:								$\dashv$
Work Activity:		Workplace Location:								$\exists$
High Risk Activities:	☐ Displacing conductors from top of insulators manually	☐ Displacing conductors from top of insulators mechanically (crane, hot stick etc)	☐ Applying tension to conductors							
☐ Circuit Arc Flash Rating checked as meeting PPE level requirements	☐ Installing hoppers to by-pass equipment (Mid-span Break, ABS, Dropout etc)	Removing hoppers from by- passed equipment (Mid-span Break, ABS, Dropout etc)	☐ Cutting jumpers or conductors in conjunction with hoppers							$\dashv$
Site Visit Completed: □	☐ Connecting jumpers or conductors in	☐ Making connections (without	☐ Breaking connections (without hoppers)			Name of Workers:		Signatures:		_
Date of visit:	conjunction with hoppers	hoppers)				Name of Workers:		Signatures:		
Name: Signature:	☐ Installing/Removing equipment on or from conductors (mid-span breaks, heavy conductor covers etc)	Other circuits on structure or in vicinity (underbuilt, overcrossings etc)	☐ Non-standard construction of structure to be worked on							
1997										
Project Manager Signature: Live Line Team Leader		Depot Supervisor Signature Date SWMS Received:								
responsible for ensuring compliance with this SWMS:						Date SWMS recei	ived by workers			_
Live Line SWMS Version 1									Live Line SWMS Vers	ion 1
									PowerNet	



## Training Requirements - Internal

- Live Line Risk Assessment Training for selected Project Managers and Depot supervisors
- Refresher Training System Control
- Live Line Induction training for Operations Managers/SLT/Directors
- Live Line Refresher Training carried out for selected staff at our Racecourse Road training centre



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#### In summary

#### **Post Live Line Pause**

EEA guidelines adopted to guide the implementation and maintenance of Live Line work.

Work to be undertaken de-energised, isolated and earthed in the first instance; unless the live work risk assessment criteria can be clearly met

Live Line Approval form developed to ensure all stakeholders have communicated and collaborated towards the successful completion of the work

Safe Work Method Statement produced to identify risks and methods of control during the work

National suite of live line procedures produced by the EEA adopted by PowerNet

Auditing guide updated by EEA and adopted to reflect a higher level of monitoring

