



# Electrical Engineering Safety Performance 2006-2007 & Emerging Issues

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# Introduction

Industry performance

Improving performance – a way forward

Emerging issues





# Industry performance

Failure of Ex - increasing

Cable arcing - increasing

Unplanned movements - increasing

The number of shocks - increasing





# Industry performance



We know most of the problems



We know most of the solutions



We have the tools to do what is needed



Engineering

The people

The processes and procedures



# Industry performance



Recent improvements not sustained



Systemic failings at the core of most incidents

If we do the same thing, we get the same result



A sustained improvement is required



Sustained improvement have to be mine driven



# A way forward



Industry focus group

Chaired by Stan Maginnis



Reporting to CSAC

Focus on reducing electric shocks



If successful – select the next priority area



Work together



# Emerging issues



11000 volts on the longwall face



3300 volts continuous miners

Larger, more powerful machines



Poor application of technology

People machine interfaces



Automation



# Emerging issues

Risk transfer

NOT UNDERSTANDING THE RISKS

OLD RISK CONTROLS INSUFFICIENT

