



## 33kV bus trip during Arc Flash relay testing

Whilst performing Arc Flash protection testing on the 33kV “C” Bus at Penrose substation, the “A/D” bus tripped out due to the circuit breaker isolation switch on bus coupler CB1848 being selected to the service position after the completion of the bus zone protection testing.

The Arc Flash testing was stopped part way through due to delays and the bus zone protection commissioning was completed as scheduled. This was a deviation from the original planned testing sequence resulting in the circuit breaker fail switch being selected to “Service” when it was required to remain isolated until after the Arc flash testing was completed.



### Immediate actions

- Work was stopped and trip cause identified.
- Transpower and management team notified.
- Power reinstated by maintenance contractor.
- Investigation commenced.

### For more information, please contact:

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