

Date Issued: 01st December 2017

ICAM 50: Investigation 798345 - Broken HV Earth on SWER Transformer, Lawrence.

Event Details:

2200hr Thursday 07th September 2017

A PowerNet Faults person was dispatched to Transformer 2170 after receiving a report from the landowner of electrical disturbance at the site. When the faults person approached the site, he saw the earth wire was not connected and was arcing onto the pole and possum guard. The faults person did not approach the pole but went and isolated the SWER line from isolators at another location.

Why ICAM:

The potential for serious injury to anyone approaching the pole at this 11kV E/R site was extremely high. If the Faults person or landowner decided to investigate the faulted equipment, they would have put their personal safety at risk due to the step potential risk with the faulted electricity at this site. We care about our workmates and the public and never want this type of event to happen to anyone.



ICAM 50 Outcomes: Below outlines the key themes from the two recommendations, the detail of this investigation is located in Risk Manager under Investigation number 798345.

1. Replace temporary fault repairs at TX 2170 with a new earth installation.
2. Check the condition of other SWER Transformer sites of similar vintage and sites on the feeder where the fault occurred. Check the condition of earths and arrange immediate repair to earths found in poor condition.

Contact: For further information please contact Michelle Henderson 027 204 4864

