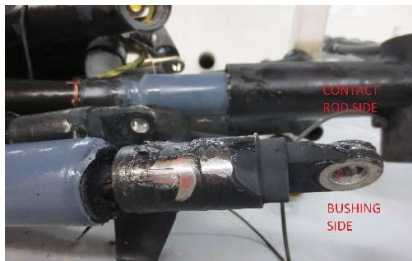


Henderson ODID – Failure in Bus Section Cable Box

WHAT HAPPENED?

This is an update alert to the incident that occurred on 17th November 2016, where a flashover occurred in the cable box of the new bus section panel for the Henderson Outdoor Indoor Project.

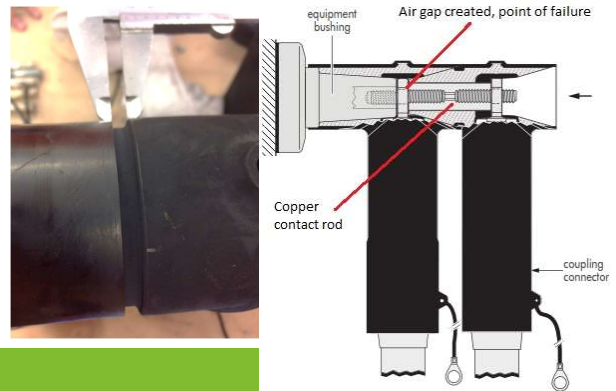


ACTION SINCE THEN

- All damaged equipment replaced; new termination kits and bus section cables, and all bushings replaced on the new switchgear.
- Full ICAM investigation completed by consultant, and reviewed by all involved parties
- Root cause, learning and recommendations to be shared and actioned.
- Project since then has been able to get back on track, and successfully migrated half of the feeders.

ROOT CAUSE

- The interchange of copper contact rods of different lengths between different cable termination kits (10mm difference)
- The incorrect longer contact rods used in the termination allowed the termination to have an air gap which compromised the insulation.
- It cannot be determined how or when the interchange of parts occurred, but most likely on site when the kits were first opened to completion (4-6 weeks).



KEY LEARNINGS AND RECOMMENDATIONS

- Kit Installations to be clearly marked, securely stored, and completed as quickly as possible without extended down time to minimise risk of interchange.
- Ensure critical component dimensions are supplied with installation instructions
- Update specifications and documentation to include relevant tests and check off items - i.e. visual/feel checks of installation, and ensure appropriate dimension measurements have been made.