TRANSPOWER

Date: 04/07/2017

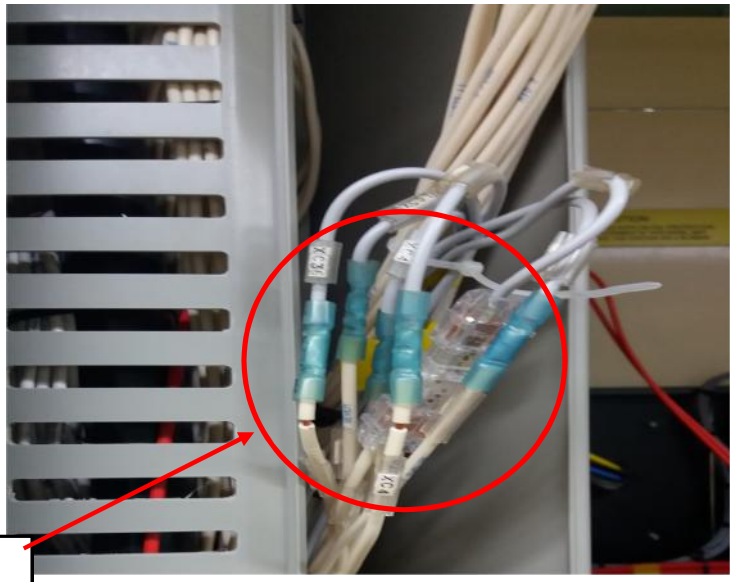
Maximo Reference: 99746

FIRST ALERT

Defective wiring insulation within panel trunking

EVENT

- During scheduled Manapouri Protection maintenance, wiring was moved in the panel trunking causing it to short out. This resulted in a blown fuse on a shared supply for the "GEN-I Trip" Circuit.
- Wiring in the panel had been previously stripped back and left, allowing the copper cores to be exposed (see red circle in photo).
- Further investigation identified that the crimp terminations were also not heat shrunk.



Wires with exposed live copper, and terminations not heat shrunk down.

IMMEDIATE ACTIONS

- Work on the panel was stopped and NGOC informed of the blown fuse.
- Circuit traced and Gen I Trip cct isolated from Transpower protection circuitry as a precaution while the wires were reinsulated and the fuse replaced.
- Reported issues and event to management and incident report created.

Lessons learned

- Never leave wiring in a poor or unsafe state as this will catch someone out in future.
- Terminations must be "made off" to a finished or completed standard as per the manafacturers specification.
- Maintainers need to be vigilant in checking wiring and equipment that they are working on due to possible previous poor workmanship or deterioration that may have created additional hazards.

safeT WORK SAFE

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