TRANSPOWER

QUALITY ALERT!

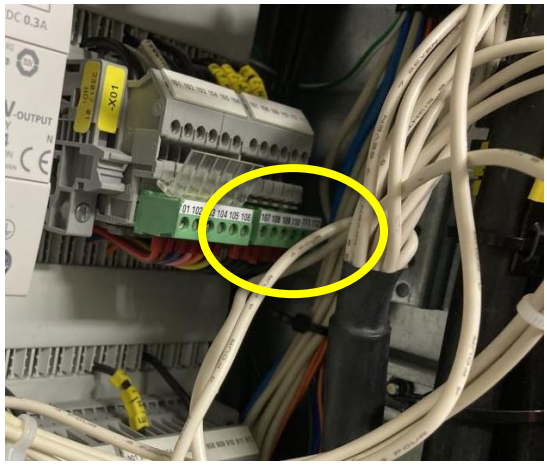
04 December 2020
Maximo REF No. 129215

Cable Prep Caused Alarm + 33kV SF6 CB Lockout

ISSUE IDENTIFIED:

While preparing cores on a cable ahead of a future cutover outage on the PRM RTU replacement, it appears an ILIS plastic fibre connection and an IDIS Phoenix connector were disturbed resulting in an activation of an arc flash and SF6 lock out alarm.

The staff member was not aware he had disturbed the connections as they did not fall out or appear to be loose. There was no recognizable moment that indicated equipment had been disturbed.



CONTRIBUTING FACTORS:

- Choice of cable routes.
- Sensitivity of ILIS fibres. ILIS fibre cables use a self-checking light signal. If a cable is bent or moved, the self-checking signal can be disrupted and this causes an alarm.
- Sensitivity of Phoenix terminal contacts.

ACTIONS TAKEN TO PREVENT REOCCURENCE:

- Communication of event.
- Toolbox: how far to go regarding preparation and what should wait until the outage.
  known risky and sensitive connections.
  alternative preparation options.

LEARNINGS FROM THIS

- **This event has reinforced the requirement for constant onsite risk assessment**
- **Awareness of sensitivity of in service devices, wiring and contacts**
- **The importance of timing of works, in particular what is done prior to, during, and after outage.**

Quality Assurance

Quality Alert REF No : 2020-013

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