

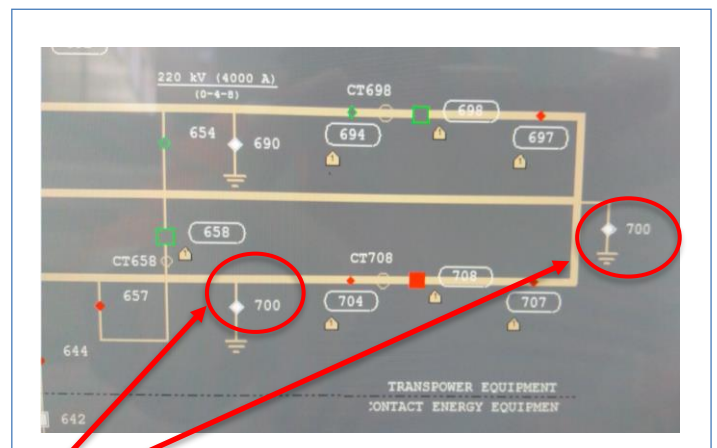
## Human Machine Interface (HMI) screen showing incorrect Earth-Switch number

### WHAT HAPPENED?

During a Project/Maintenance outage while checking the Operating Sequences and Permit isolations it was noticed that the HMI screen showed two Earth Switches on the 220kV bus with the same "700" number.

The HMI had recently been installed as part of the ROX SMS upgrade project, which will replace the existing C50 RTU Scada system. The HMI is a desk mounted electronic visual display, providing control and indication of Station equipment.

The labelling error has occurred during the programming of the new HMI where one of the Bus Earth Switch numbers has been duplicated.



*ROX SMS on HMI screen shot on site*

220kV earth switches with the same numerical names on the ROX SMS HMI screen.

### IMMEDIATE ACTION TAKEN

Amended to have the HMI updated and changed to the correct electronic label.

### ROOT CAUSE

Quality control processes for the Scada SMS program failed to identify the error before issuing the replacement unit for site installation.

### LEARNINGS

- Check switching/safety isolations with certified switching SLD and Mimics and if in any doubt follow up with site checks and further questioning- Drawing/SLD and schematics may be incorrect.
- Project work that includes new work or changes/upgrades require good quality control processes to ensure outcomes are accurate and reliable.