



# FIRST ALERT

## VDD Proximity tester failed to alert

Under a single circuit outage on the CPL-WIL-B line (110kV), a proximity Voltage Detection Device was manually set to 110kV and the circuit under access permit was tested. The unit responded as expected, these Modiewark units self-test on start up by beeping and continue to beep at intervals when voltage is not detected.

To demonstrate what to expect should the VDD come in proximity of a live circuit, they produce a continuous tone when voltage is detected, the unit was tested on the live circuit side.

The VDD was put in proximity of the adjacent live circuit. It did not respond. To increase the device's sensitivity, it was switched down to the 66kV setting. It responded with a continuous tone as expected.



Modiewark Proximity Tester NZ Model

### Immediate actions

- All Cake Commercial Modiewark VDD's were brought in for testing & confirmed to be working correctly.
- Technical expertise has been engaged and an investigation commenced.
- Field trials commissioned to compare the performance of the Modiewark VDD with two other commonly used types.
- Alert the industry by way of this First Alert.
- Follow up with a Safety Alert with results and conclusions.

### For more information, please contact:

Name	Michelle Orum
Position	Project Manager – Cake Commercial Services
Mobile	0212 805080
Email	<a href="mailto:Michelle.orum@cakegroup.co.nz">Michelle.orum@cakegroup.co.nz</a>
Maximo ref	114927
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