



Earth Grid connection Without applying bridging leads

Date of Incident: 11/10/2025

CAMMS No. 9895

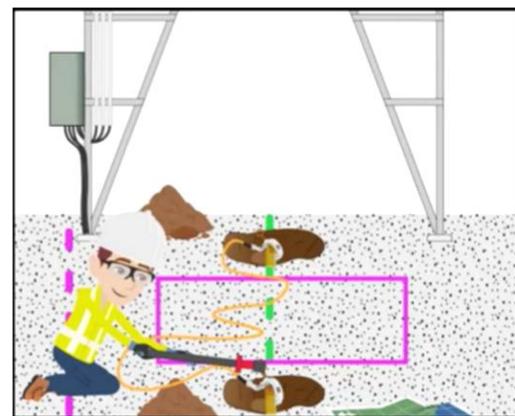
Location: Wellington Substation

What Happened?

A Delivery Partner, undertaking works as Principal Contractor, carried out multiple earth grid connections without applying bridging leads. This is in breach of PSSR and their Safe Work Method Statement. This deviation from approved controls presented a significant electrical safety risk and has been classified as a High Potential (HiPo) / Critical Risk Near Miss (CRNM) incident.

Immediate actions taken

- Following Transgrid's Site Manager's identification of the event, the Delivery Partner was advised of the breach.
- The site was made safe, and all works were stopped pending further investigation.
- An ICAM investigation has been initiated by the Delivery Partner to identify the primary and contributing causal factors.



What do you need to know?

- As per PSSR 10.2, bridging of earthing systems must be undertaken before any connection, cutting, disconnection, or activity that may have potential to break or damage the earthing system.
- Only authorised personnel can apply bridging earths:
 - Transmission Line Structure Bridge Earthing must be performed by an authorised Bridge Earthing TL Structure (**10.1**) person.
 - Substation Grid Bridge Earthing must be performed by an authorised Bridge Earthing Grids (**10.2**) person



How it is to be applied?

- Bridge Earthing must only be installed by a PSSR authorised person.

Is a 'lessons learnt' required?

To be determined after further investigation



Think Safe > Work Safe > Home Safe

Relevant links

- > [Power System Safety Rules](#)
- > [Substation Earth Grid Awareness Video](#)
- > [Applying Bridge Earthing- 10.2 Authorised Person-Video](#)