

Technical Bulletin

TB 0330 – ABB Manual Load Break Switch

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Purpose

To standardise the installation of the Z bracket to the operating arm of the ABB manual load break switch (LBS).

Background

Endeavour Energy has been installing ABB manual load break switch since 2014. ABB manual load break switch can be installed as a mid pole or pole top mount arrangement. The installation method of the Z bracket to the operating arm was not communicated clearly to field employees.

After a trial at Hoxton Park Technical Training Centre and consultation with Field Operations and System Operations employees, a standardised approach was agreed upon.

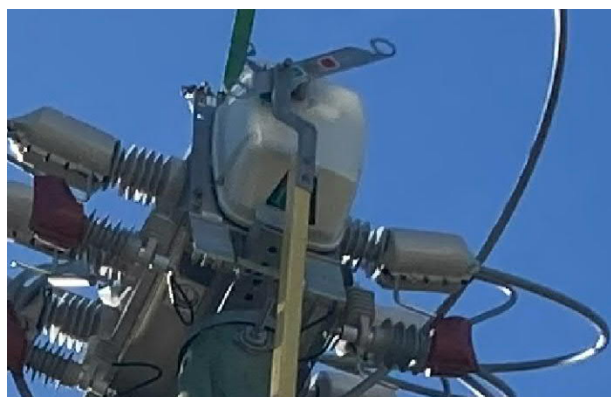
It is important that operators operating the LBS must always look at the status indicator on the bottom of the LBS to identify if the switch is in the open or close position (not the mid pole operator).

Actions

Any new installations of ABB manual LBS must have the Z bracket mounted to the operating arm as follows:

Pole top mount

The Z bracket must be mounted to the operating arm as shown below:



View from same side as LBS

The operating arm of the LBS and the arm of mid pole operator will correspond to the same direction during operation.

Mid pole mount

The Z bracket must be mounted to the operating arm as shown below:



View from opposite side of LBS

The operating arm of the LBS and the arm of mid pole operator will be in the opposite direction during operation.

Implementation

The contents of this Technical Bulletin shall be implemented effective immediately on all new manual LBS installation.

For existing installations, not installed in accordance with this Technical Bulletin, the Red/Green labelling on the mid pole operator can be removed for convenience or if the LBS is part of an outage modification can be made to the Z bracket mounting.

Impacted Standards

The standards impacted by this change are

- MCI 0005 Overhead construction standards manual
- SDI 223 ABB NXB Sectos 12/24kV load break switch

Contacts

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