



Technical Bulletin

TB 212 – Pole loading requirements for onsite pole loading assessment tools

Purpose

To define the maximum pole loading for attaching telecommunication cables (including catenary, telephone, coaxial, fibre, main and service drops, road crossings and lead-in cables) to Endeavour Energy poles where an onsite pole loading assessment is used.

Background

Endeavour Energy requires a design to be conducted before attaching telecommunication cables to Endeavour Energy poles. This may be in the form of a full-detailed overhead design or an onsite pole loading assessment.

Endeavour Energy is reducing the risk of exceeding the maximum pole loading when attaching telecommunication cables to Endeavour Energy Poles where an onsite pole loading assessment is used.

Actions

If a full-detailed overhead design is not conducted, an onsite pole loading assessment tool must be developed, along with appropriate means and techniques, to assess the pole loading from existing conductors/attachments and the proposed telecommunication cables. The assessment tool must be submitted to Endeavour Energy's Network Mains Manager for assessment. Where Endeavour Energy's assessment finds the tool to be unsatisfactory, the tool shall not be used.

Evidence of conducting the onsite pole loading assessment, including all input parameters and output results, must be supplied to Endeavour Energy.

Where an onsite pole loading assessment is conducted, the installation of telecommunication cables must not increase the total pole loading above 95% of the

otherwise allowable pole load. This applies to all Endeavour Energy poles regardless of the use (distribution/transmission), type (timber/concrete/steel) or design methodology (working stress/limit state).

Compliance with this technical bulletin does not waive other requirements that may apply in MCI 0002, MDI 0031 and MDI 0047.

The meaning of the strength rating displayed on a pole disc varies depending on the pole type. As such, the technical specification for the relevant pole type should be consulted along with MDI 0031 Clause 5.12.3 or MDI 0047 Clause 5.3.2.

Example:

When assessing suitability for the installation of a telecommunication cable, a timber pole with P1 rating of 8 kN (as defined in MDI 0031) will be treated as though the strength is 7.6 kN. If the addition of the broadband communication cable or service exceeds 7.6 kN, the cable cannot be installed.

Impacted Standards

The contents of this technical bulletin will be included in the next update of the following standard(s):

- **MCI 0002** – Attachment of Broadband communication cables to Endeavour Energy poles