



# Technical Bulletin

## TB 0258 – Removing Steel Pole treatment requirement

### Purpose

This technical bulletin is to inform and remove the requirement for the treatment of private steel poles detailed in MMI 0001.

### Background

As per MMI 0001 Clause 5.2.4 and 5.14, Endeavour Energy requires that when a private steel pole has the presence of rust, then it must be treated with a rust treatment (Chelade).

The current Service and Installation Rules (SIR) December 2016 requires:

**Private Pole Owner :**  
(As per clause 1.11.4 (d))

The customer is responsible for the “.. maintenance of any support to the electricity distributors requirements that is on the customers premises. The customer must make arrangements...for the maintenance of a private pole on the customers premises that has a physical connection to the distribution system”

### New Requirement

In line with the SIR, Endeavour Energy is removing the requirement for Endeavour Energy to apply the Chelade treatment to private steel poles. All steel poles will still be required to be inspected.

Where rust is found during the inspection:

- The defects and the appropriate action and timeframe, as per TB 0255, still apply. The requirement has been reproduced below (See Figure 1 and Figure 2);
- If the inspector has doubt the structure will survive until the next inspection, the pole should be condemned; and,
- In line with the SIR, Endeavour Energy will ensure the defects are managed accordingly.

### Implementation

The removal of the private steel pole treatment requirement is effective immediately.

### Impacted Standards

The contents of this technical bulletin will be included in the next update of the following standards:

- MMI 0001 – Pole and line inspection and treatment procedures.

## APPENDIX A

|    |                    |                                                                                                                                                              |          |          |
|----|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| 5  | Steel Pole defects | Rust hole or holes greater than 75mm in total length in any direction. Condemned poles subject to additional controls - Refer to CI 5.16 of MMI0001          | Action 2 | 1 month  |
| 6  |                    | Wall thickness less than 60%.                                                                                                                                | Action 2 | 1 month  |
| 7  |                    | Severe rust such that the pole is unstable or corrosion extends beyond 350mm below ground level.                                                             | Action 2 | 1 month  |
| 8  |                    | Rust hole or holes greater than 10mm but less than 75mm in total length in any direction                                                                     | Action 2 | 3 months |
| 9  |                    | Doubt exists as to the integrity of the pole after performing the sounding check.                                                                            | Action 2 | 3 months |
| 10 |                    | Corrosion of the galvanizing and into the steel for more than 10% of the circumference.                                                                      | Action 3 |          |
| 11 |                    | Wall thickness less than 80% but greater than 60%.                                                                                                           | Action 3 |          |
| 12 |                    | Rust hole or holes less than 10mm in total length in any direction.                                                                                          | Action 3 |          |
| 13 |                    | Pole folds or has impact impressions deeper than 25% of the pole diameter. Condemned poles subject to additional controls - Refer to CI 5.16 of MMI0001.     | Action 2 | 1 month  |
| 14 |                    | Pole folds or has impact impressions less than 25% of the pole diameter.                                                                                     | Action 2 | 1 month  |
| 15 |                    | Combination of folds or impact impression and the pole is loose in the ground. Condemned poles subject to additional controls - Refer to CI 5.16 of MMI0001. | Action 2 | 1 month  |
| 16 |                    | Surface rust on pole including corrosion of the galvanizing and into the steel for less than 10% of the circumference.                                       | Action 3 |          |

Figure 1 – Steel Pole defects (from TB 0255)

The following three responses are applicable for customer mains defects:

- **Action 1** - The assets identified are deemed to contain a serious defect that requires **immediate** action to protect the safety of the resident and general public. Network Services will develop and maintain processes that result in the site being made safe at the time the defect is identified. The process of making safe may require disconnection of the service.
- **Action 2** - Raise the defect in Endeavour Energy's Asset Management System with a priority shown in Annexure A. Network Services will develop and maintain processes that notify the customer and manage the defect through to conclusion. These defects are deemed serious enough that the conclusion shall be rectification or disconnection.
- **Action 3** - Raise the defect in Endeavour Energy's Asset Management System, notify the customer of the existence of the defect and the implications of not fixing the defect and then close the defect. These defects are not deemed a serious enough risk to safety that they would generally be progressed to the point of disconnection.

If the inspector believes there is a risk which warrants a higher priority/response, this is to be escalated for Endeavour Energy determination.

### Implementation

The requirements of this bulletin will be effective immediately and will apply to any defects on privately owned

Figure 2 – Appropriate actions (from TB 0255)