

TO: Customers, Accredited Service Providers and Ausgrid Staff.

Amending Network Standard NS187 Passive Fire Mitigation Design of Major Substations

Summary:

This Network Standard details the minimum levels of passive fire protection systems at Ausgrid's major substations.

The primary aim is to provide a greater level of awareness and direction regarding passive fire protection of substations and surrounding properties, as well as the minimum requirements for personnel safety and emergency egress in the event of fire.

This Standard covers sub-transmission and zone substations. Chamber substations are covered by NS 113, and some details have been included in this Standard for completeness and reference purposes only.

This Standard does not include provisions for kiosk substations (refer to NS 141) or pole top equipment such as transformers, capacitors and reclosers.

The minimum requirements that shall apply for the protection of buildings against fire are those contained in the Building Code of Australia (BCA). The requirements in this Network Standard in some instances are over and above the minimum requirements of relevant statutory regulations given the unique risks of substations.

Where this Network Standard is to be applied to proposed works within an existing substation, Asset Engineering Policy and Standards will provide additional recommendations on the type and extent of passive fire protection to be applied.

The document has undergone a full review of its content and contains the following amendments:

- Section 1.0 – Purpose
- Section 2.0 – Scope
- Section 3.0 – References
- Section 4.0 – Definitions
- Section 6.0 – The Approach
- Section 7.0 – Passive Fire Mitigation Design
- Section 8.0 – Passive Fire Protection System
- Section 9.0 – Egress Provisions
- Section 12.0 – Bushfire
- Section 13.0 – Documentation
- Section 15.0 – Authorities and Responsibilities
- Section 16.0 – Compliance Framework
- Annexure A – Passive Fire Mitigation Requirements
- Annexure C – Background Information Relating to Passive Fire Protection

Refer to grey shading in the document for details of modifications.

The document review date has been updated to 30/07/2023.

NSs, NSAs and other technical documents are available on Balin.

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