

TO: Customers, Accredited Service Providers and Ausgrid Staff.

Amending Network Standard NS200, Major Substations Ventilation Design Standard

Summary:

Network Standard NS200 provides the requirements for natural, mechanical and other types of ventilation to be considered and included into the design of major substations.

This Network Standard details the technical aspects to be considered in the design of ventilation systems for Ausgrid major substation buildings. Generally this includes new zone and subtransmission substations.

This Network Standard provides the requirements for natural and mechanical ventilation systems. Other types of ventilation systems, specifically dehumidifiers and air conditioning, are also covered by this standard.

The ventilation of new Ausgrid major substation buildings shall comply with this Network Standard. For existing substations, the Designer should assess each site individually and consider the relevant application of this Network Standard where it is reasonably practicable and cost-effective.

Refer to NS113 Site Selection and Construction Design Requirements for Chamber Substations for ventilation requirements associated with chamber substations.

This Network Standard should be read in conjunction with other relevant Ausgrid Network Standards and Engineering Guidelines.

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

- Section 2 – Scope
- Section 5 – Functional Requirements
- Section 6 – Design Requirements
- Section 7 – Specific Ventilation Requirements
- Section 8 – Ventilation System Components
- Section 9 – Air Conditioning and Dehumidifying
- Annexure A – Sample Compliance Checklist

Other minor changes have been made, other than those itemised. Refer to grey shading in the document for details of modifications.

The document review date has been updated to 04/10/2022.

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

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