

TO: Customers, Accredited Service Providers and Ausgrid Staff.

Amending Network Standard NS171 Firestopping in Substations

Summary:

This Network Standard for the installation of firestopping materials in openings in substation walls, floors and ceilings applies in particular to penetrations caused by cables, cable ducts, encased busbars and other openings unique to an electrical substation.

This standard also deals with firestopping around Poly Vinyl Chloride (PVC) (including Unplasticised Poly Vinyl Chloride (UPVC)) and similar electrical conduits where they pass through walls and floors. Finally, this standard outlines the extent of approved cable fire protection required to limit potential fuel sources and fire damage to cables.

This Network Standard is Ausgrid's specification and requirements for the installation of firestopping materials in openings in substation walls, floors and ceilings, and for the fire protection of cables within the substation. The openings referred to include holes, slots and other penetrations for electrical services, such as cables, electrical conduits and busbars. This document does not address fire stopping of other service penetrations.

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 8.0 – Firestopping of Penetrations
- Section 9.0 – Cable Fire Protection
- Section 10.0 – Ausgrid List of Approved Products and Product Specific Installation Details
- Annexure A – Passive Fire Mitigation Requirements
- Annexure B – Ausgrid's Approved Product Specific Installation Details
- Annexure C – Sealant Properties
- Annexure D – Flowcharts
- Annexure E – Cable Fire Protection Near HV Cable Joints

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

The document review date has been updated to 29/07/2023.

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

Chris Hatch

Head of Asset Engineering Policy & Standards