

HVC Chamber Design Change — CO-9 Protection Relay Obsolescence



General Information

Dear ASPs,

28 August 2026

Ausgrid wishes to advise Level 3 Accredited Service Providers (ASP/3s) of an important change affecting High Voltage Customer (HVC) Chamber designs.

The CO-9 protection relay is now obsolete and is no longer available for purchase. As a result, Ausgrid has updated the standard HVC Chamber design to incorporate replacement equipment and revised design requirements.

ASP/3s involved in the design of HVC Chambers for contestable works must immediately adopt the updated HVC Chamber design and should not continue to develop new designs based on the obsolete CO-9 relay.

Key Changes

The updated HVC Chamber design includes the following changes:

- The CO-9 protection relay has been replaced.
- The switchgear has changed to Siemens 8DJH switchgear with an integrated 7SR46 protection relay.
- A separate protection panel is no longer required in the updated design.
- A new Distribution Monitoring and Control (DM&C) cabinet has been added for monitoring and control requirements.
- The DM&C cabinet will be available via stock code from PlusES.
- Associated changes have been made to the battery and power supply arrangements.
- Ausgrid's relevant Network Standards and drawings have been updated to reflect the new design.

Existing designs

ASP/3s are strongly recommended to review and modify any existing or in-progress HVC Chamber designs that include a CO-9 relay and transition them to the updated standard design.

This is particularly important where construction has not yet commenced, as CO-9 relays are no longer available for purchase and may not be able to be procured when the project progresses to construction.

Updated Network Standards and drawings:

The following Ausgrid documents have been updated and are available on Ausgrid's Technical Document Library:

- NS195 and associated drawings
- NS114 and associated drawings
- NS181 Approved Material List

ASP/3s should refer to:

- NS114 – Annexure A, High Voltage Customer Chamber Type Substations, for the updated HVC Chamber drawings.
- NS114 – Annexure B, Table 10, for the new Siemens 8DJH switchgear stock code.
- NS114 – Annexure B, Table 16, for the new DM&C cabinet stock code.
- NS195 for updated HVC Chamber design requirements.
- NS181 Approved Material List for approved equipment information.

Ausgrid technical documents are publicly available at:

<https://www.ausgrid.com.au/asp-and-contractors/technical-document-library>

If you are currently working on an HVC Chamber design that includes a CO-9 relay, please review the updated standards and drawings and update the design accordingly.

[Home](#) > [ASP and contractors](#) > [Technical document library](#)

Technical document library

Ausgrid's standards and guidelines outline the required procedures and authorisations for maintaining or modifying network infrastructure.



Thank you for your cooperation and continued commitment to safety and efficiency in our network operations.