



Standards Alert

Technical Specification – Permanent Diesel Engine Driven Generator – version 3 (D0002061) is now available

Why has the Technical Specification been updated?

The Specification has been reviewed and updated as part of the 3-year review cycle. The revised document incorporates lessons learnt from most recent projects (SP1220, SP1173 & SP0138), includes stakeholders' comments and supplier's advices, and addresses frequently raised deviations from standards.

What has changed from the previous version?

Key changes from the previous version include:

- Allows rails mounted genset as an alternative to removable enclosure.
- Allows fully electronic governor as an alternative to mechanical/electronic governor.
- Allows 400V 3-phase water heater as an alternative to a single phase heater.
- References ISO 8528-5 for step load pick up and drop off instead of a single step load pick up.
- Allows boost charge function for battery chargers as an alternative to trickle charge.
- Specifies requirements for genset baseplate.
- Exempts witnessing of alternator if test certificate is provided.

How do these changes impact users and what are the key benefits?

The revised document allows alternative designs and features for diesel generators and relaxes Sydney Water's requirements for witness testing. The Specification is aligned with industry best practice and recently installed diesel generators.

This will streamline procurement by reducing the need for repetitive deviations from standard for market standard designs.

The changes are not expected to have an impact on the procurement and installation costs compared to the recently installed units.

When do these changes become effective?

- For projects where design has commenced, the ver. 1 of the Specification can continue to be used.
- For projects where design has not yet commenced, the new version should be used.

Where can I find the new version?

- iConnect
- [SWDelivery Portal](#)
- [Sydney Water website](#)

How can I provide feedback?

If you have any feedback on the DTC drawings, please email standards@sydneywater.com.au.