# Standards - the right way forward



**Follow good practice** – with standards in place you ensure good practice and efficiency.



**Competitive edge** – go beyond the minimum standard for competitive edge.



**Foster innovation** – performance-based standards encourage innovative solutions.



**Ease and efficiency** – documented processes manage risk and support consistency, reliability and interoperability.



**Establish trust and credibility** – secure consumer confidence with assurance that services and products are reliable and good quality.



**Keep people safe and improve well-being** – reduce accidents and injuries, ensure safe and reliable products and services.

Discover standards for the energy sector @ www.standards.govt.nz/search

## What does Standards New Zealand do?

As New Zealand's national standards body we:

- lead development of standards and standards-based solutions
- bring together relevant stakeholders to tailor consensus-based standards solutions that are practical, relevant, and widely recognised and supported
- sell and enable access to New Zealand, joint
   Australian/New Zealand and international standards
- coordinate New Zealand's representation in International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) committees.

### Talk to us if you are interested in:

- · developing a standard or reviewing a standard
- getting access to standards
- · taking part in a standards development committee.

# **Get in touch**

0800 782 632 engagement.SNZ@mbie.govt.nz www.standards.govt.nz



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# Standards for energy

Improving standards for a better New Zealand



# Standards – for energy safety and efficiency

Standards can be used across the sector to ensure better safety and environmental outcomes for New Zealand.

Increasing energy efficiency and the use of clean renewables is key to meeting the world's energy needs and carbon reduction targets. New Zealand and international standards have always played a vital role in the energy sector, from encouraging the reduction of energy consumption and supporting interoperability of efficient systems technologies and products to providing tools, and platforms for good practice and health and safety within the sector.

As the energy sector continues to evolve Standards

New Zealand are here to help you to develop solutions
for better outcomes for New Zealand.

### Who benefits from standards?

Industry – Standards can help organisations, large or small, save energy and costs while ensuring compliance with safe practices and environmental sustainability. Manufacturers whose products and practices are certified to standards gain a competitive advantage.

**Regulators** – Regulators often rely on standards for globally aligned solutions that are continually being reviewed and improved. Standards prescribe a solid baseline and benchmark for national and international energy targets and to support government initiatives and regulation.

**Consumers** – Standards help make government initiatives and regulation more effective and help improve the safety and efficiency of electrical appliances and energy sources. They also help consumers reduce their energy consumption and costs, while contributing to global energy efficiency goals.

#### Are you an industry expert?

Standards New Zealand is the gateway to participate in national and international ISO, IEC and joint Australian standards development committees. Visit www.standards.govt.nz to see vacancies or complete an expression of interest.

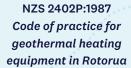
'Standards are the absolute bedrock of regulation. There's never been a greater need for them as they are a cornerstone of global climate mitigation and adaption, and a must-have if the world is to successfully tackle climate change.'

Brian Fitzgerald, Technical Lead, Energy Efficiency and Conservation Authority (EECA) NZS 4243.2:2007 Energy efficiency -Large buildings – Part 2: Lighting

> SNZ PAS 6010:2021 Electric vehicle (EV) chargers for commercial applications



ISO 9553:1997 Solar energy — Methods of testing preformed rubber seals and sealing compounds used in collectors



NZS 6808:2010

Acoustics - Wind farm noise





AS/NZS 4509.2:2010 Stand-alone power systems – Part 2: System design

NZS 7901:2014 Electricity and gas industries - Safety management systems for public safety





AS/NZS 3598.1:2014 Energy audits – Part 1: Commercial buildings

AS/NZS 4552.2:2010 Gas fired water heaters for hot water supply and/or central heating – Minimum energy performance standards for gas water heaters

AS/NZS 61724.1:2020 Photovoltaic system performance - Part 1: Monitoring

SNZ PAS 5311:2021 Biomass boilers for small and medium heat loads

Just some of the ways standards help