

# Standards New Zealand and the NZ Standards Approval Board the who, what, how and why?

Malcolm MacMillan, National Manager Standards New Zealand

Vic McLennan, Chair of the NZ Standards Approval Board

# Topics to be covered

**Who Standards New Zealand are**

**Who the NZ Standards Approval Board are**

**What we both do and why**

**Strategic priorities**

**Key pieces of work on the go**

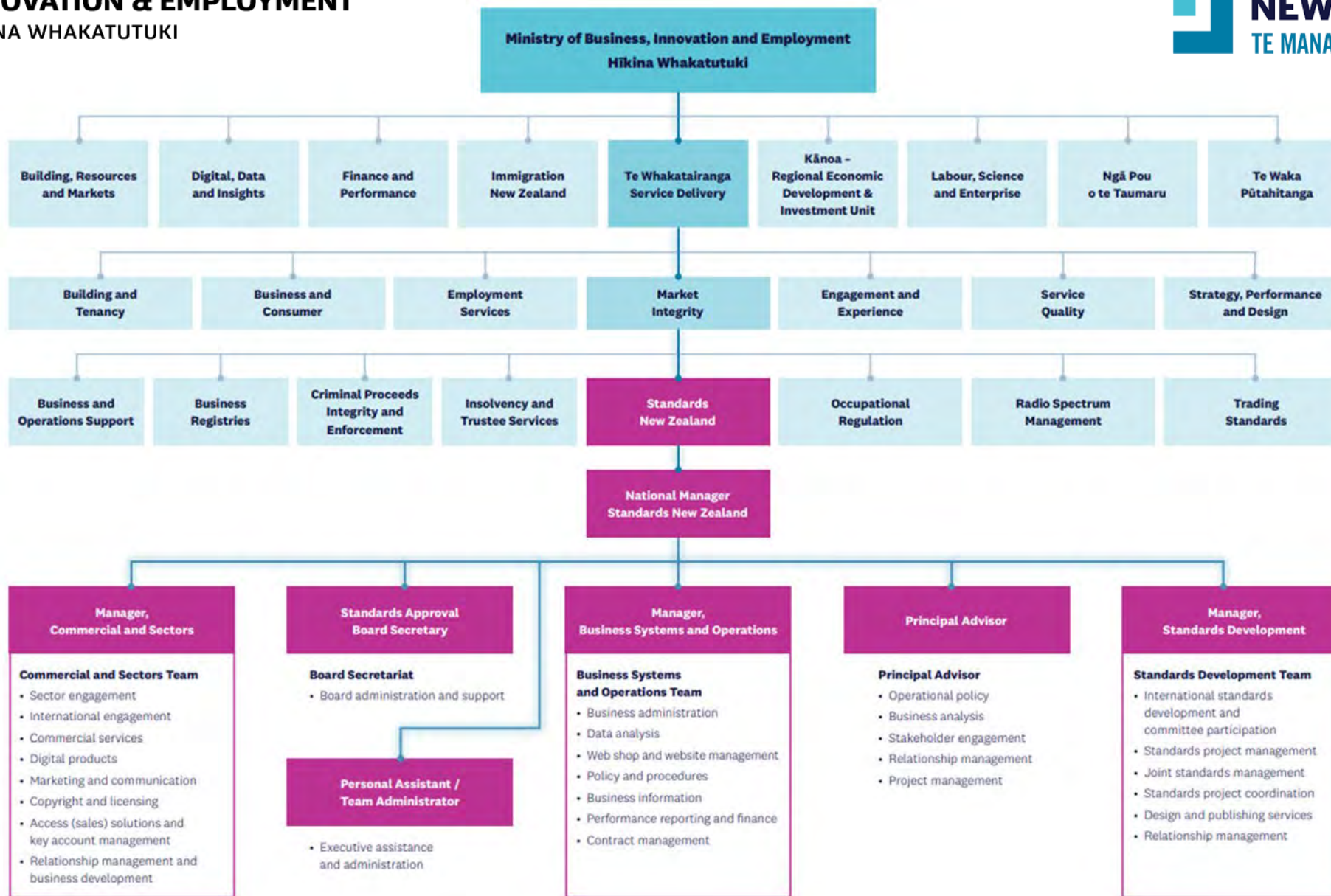
**Our current operating environment, priorities and oppportunities**

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# Who are Standards New Zealand

- Established in 1932, following the Napier earthquake
- 92 years old, Business unit within the Ministry of Business, Innovation and Employment (MBIE) since 2016, pursuant to the Standards and Accreditation Act 2015.
- New Zealand's internationally recognised independent national standards body, responsible for
  - **developing standards** and associated products and services
  - **adopting international standards** for New Zealand
  - **selling New Zealand, joint Australian/New Zealand and international standards**
  - **representing NZ's interests** and participating in the global standardisation system. Country member of ISO & IEC, and others.







# Our Vision, Mission, Principals, Values and Goals

## Our vision

Prosperity and protection through trusted standards.

## Our mission

Bringing leading experts together to develop high-quality, accessible standards to support New Zealand's economic growth and keep New Zealanders safe.

## Our functions

Standards New Zealand is the national standards body for New Zealand. It is governed by the Standards and Accreditation Act (2015), the Public Finance Act (1989) and the Public Service Act (2020).

As New Zealand's national standards body, we represent New Zealand on the international stage, develop and review standards (adopting international standards where appropriate) and sell standards.

For a full list of our statutory functions, please go to [www.legislation.govt.nz](http://www.legislation.govt.nz).

## Our principles

**International first** // We don't reinvent the wheel, but instead look to international standards first to help ensure global connection, compatibility, consistency, and market access.

**Consensus** // We get agreement across industry and government, resulting in better buy-in, support and adoption of solutions.

**Consultation** // We consult far and wide.

**Representation** // We make sure everyone's views are captured and heard. Everyone is represented and has a voice.

**Partnership and collaboration** // We work with commissioning organisations, industry, government regulators, consumer groups and international standards bodies to deliver our products and services.

**Integrity** // We are independent and transparent. We follow international good practices.

## Our goals

- To improve the sustainability and growth of our business through our strategic priority initiatives that focus on our services and products, operating model, partnerships and business efficiencies.
- To make an active and valuable contribution to New Zealand efforts to address climate change issues and reduce our carbon footprint as a nation.
- To make an active and valuable contribution to New Zealand's evolving digital economy by helping define good practice, performance and protection requirements.
- To develop our people, including committee members, so that we have the right skills, capabilities, diversity, and cultural awareness to serve the needs of our customers, industry, the public sector, and consumers and meet the government's priorities.

## Our values

Māia – Bold & brave

Mahi tahi – Better together

Pae kahurangi – Build our future

Pono me te tika – Own it



# Our Value Proposition

## The way we work

**Independently** // Our standards development decision making is statutorily independent, and free from undue industry, government, or political influence.

**Representatively** // Our standards development committees are made up of technical and industry subject matter experts, and consumer and government representations.

**By consensus** // We take a consensus-based standards development approach that is unbiased, representative and fair, and which achieves agreement.

**Globally connected** // We participate internationally to represent New Zealand's expertise and interests and make a valuable contribution to global needs and international standardisation.

## Our products and services

**Trusted** // Our reliably developed standards carry significant influence and credibility.

**High quality** // Our standards set requirements for quality and performance, helping to ensure that products and services are safe and fit for purpose.

**Good practice** // Our standards can help establish consistent industry practice as they are based on the combined professional skills and expertise of standards development committees.

## Benefits

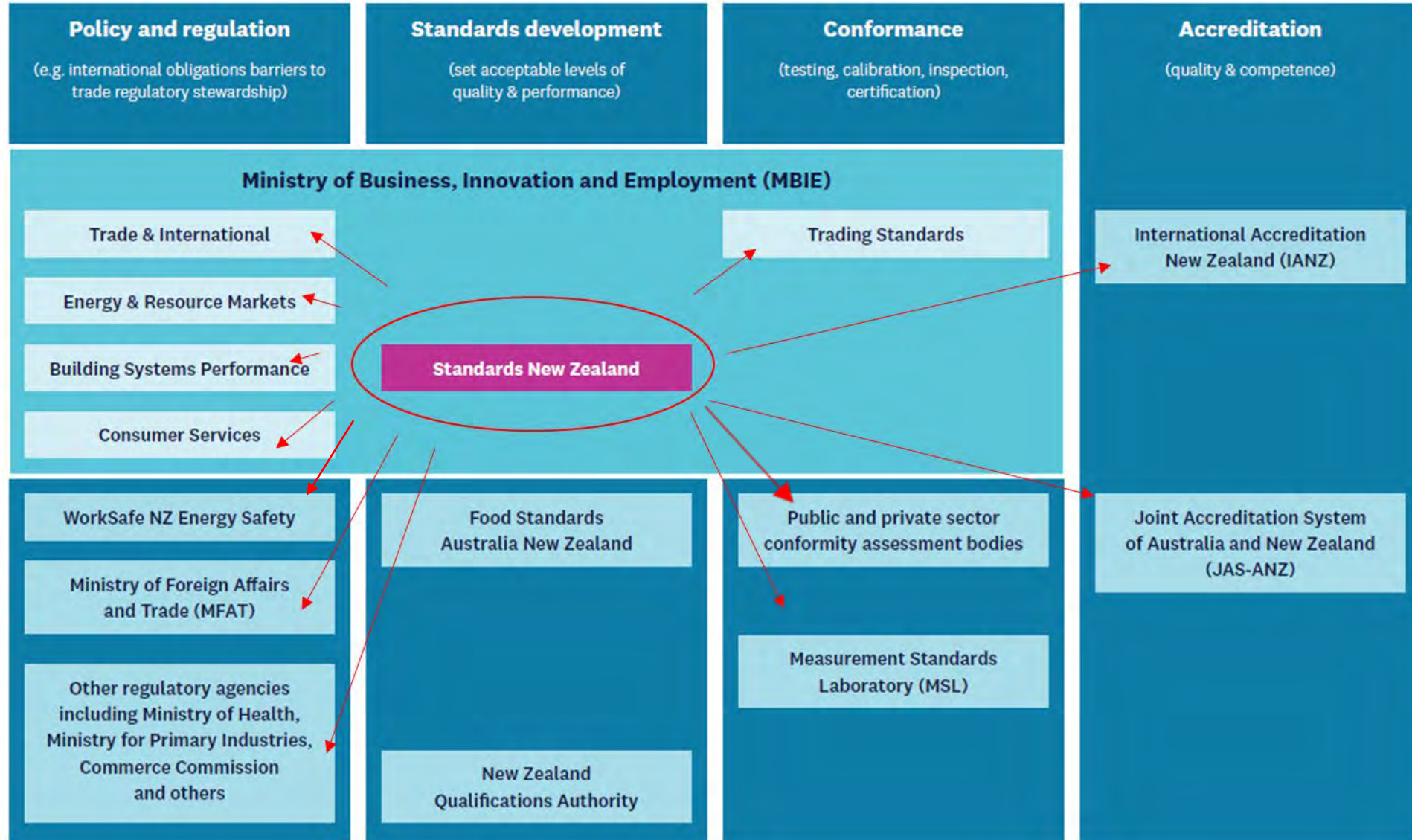
**Trade** // Standards help provide assurance to support international trade, market access and economic prosperity.

**Productivity** // Standards can enable efficiency improvements and cost savings for business, helping rationalise production and service costs and satisfying consumer demands for lower cost while maintaining quality standards.

**Innovation** // Standards can serve as a catalyst for innovation by helping anchor new solutions into markets and value chains.

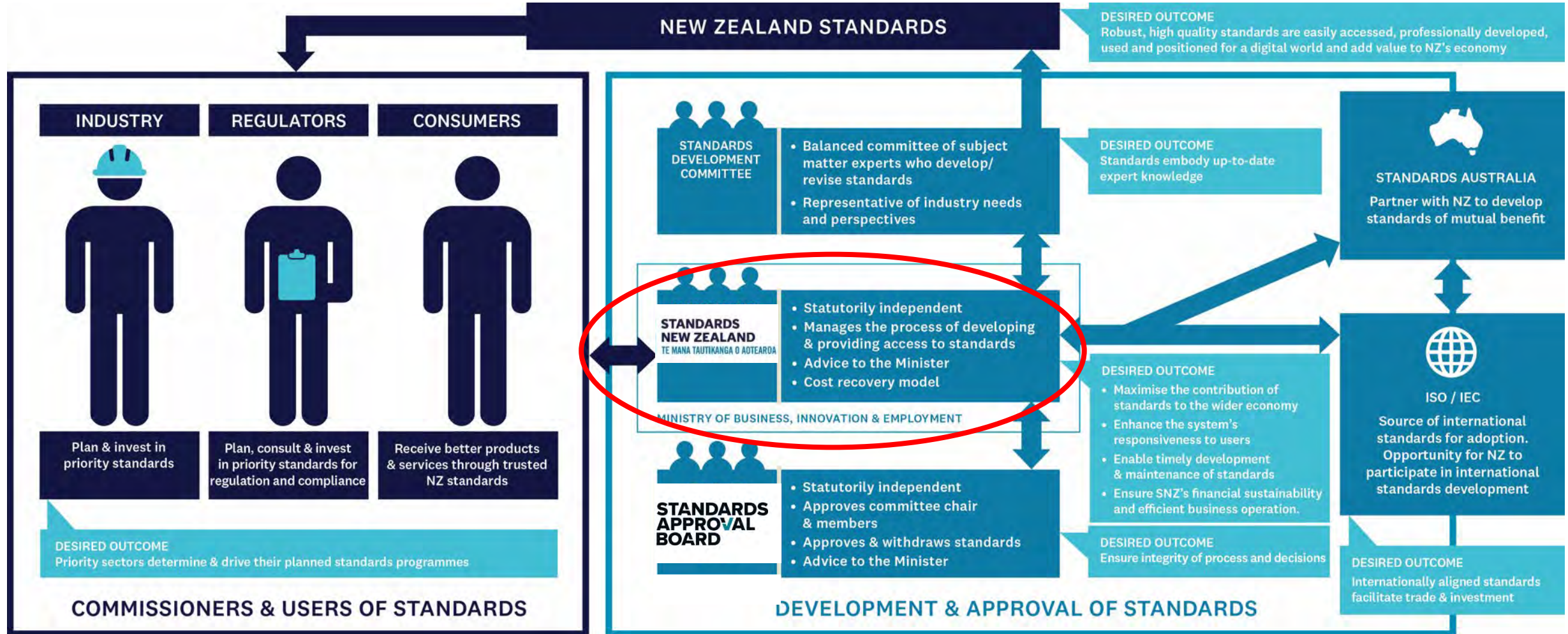
**Protection** // Standards support health, safety, security and well-being by setting requirements for the protection of people and the management of risk.

# NZ's Standards and Conformance Quality Infrastructure





# Standards New Zealand's Eco-System



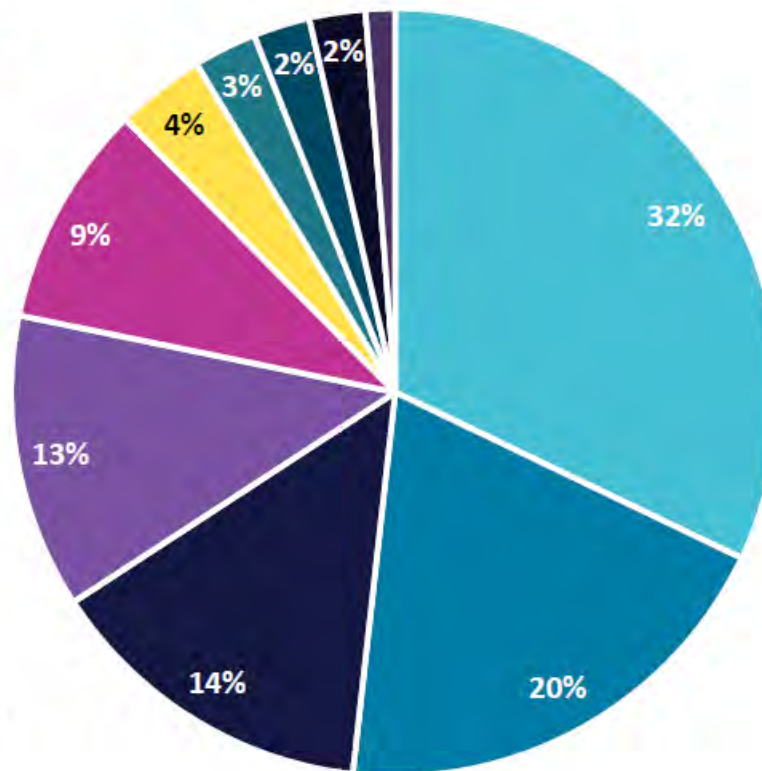


# Access and use of Standards

The Energy and Building sectors make up more than half of our current catalogue

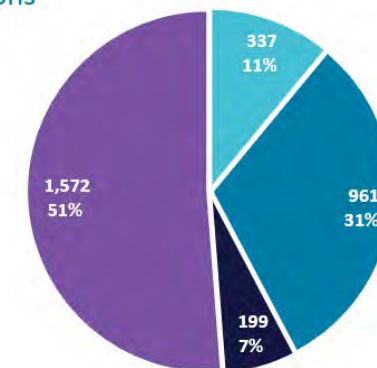
- Energy, Electricity and Gas
- Building Construction and Fire Prevention
- Business and Trade
- Manufacturing and Processing
- Consumer and Occupational Safety
- Transportation and Logistics
- Digital and Media
- Healthcare and Community Services
- Environment and Sustainability
- Other\*

*\*includes Local Government, Primary Industries, Education and Training, Tourism and Hospitality*



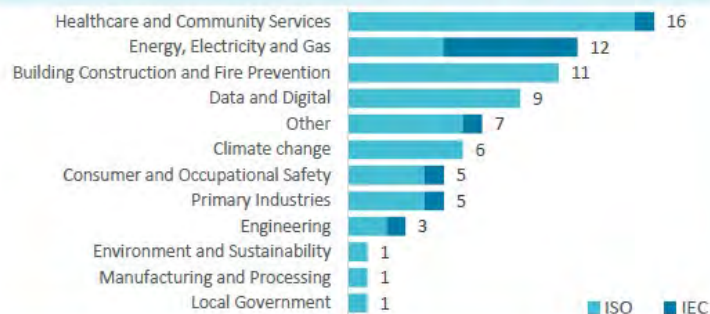
Our webshop has **3,069** current publications, **51%\*** of which are international adoptions

- NZS
- Joints (AS/NZS)
- De-joints
- International



### Our international participation in standards development

We are currently participating in 77 international standards development committees

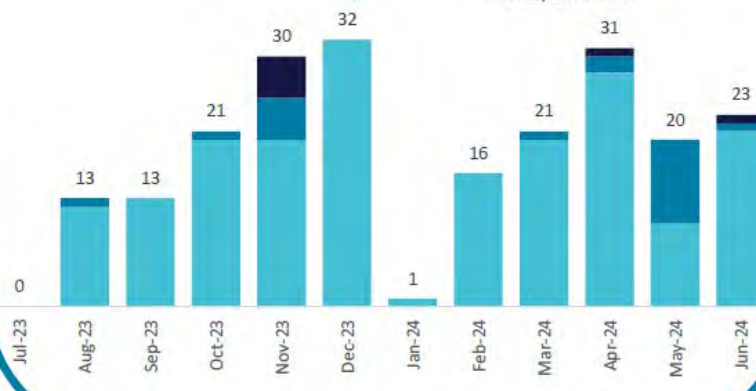
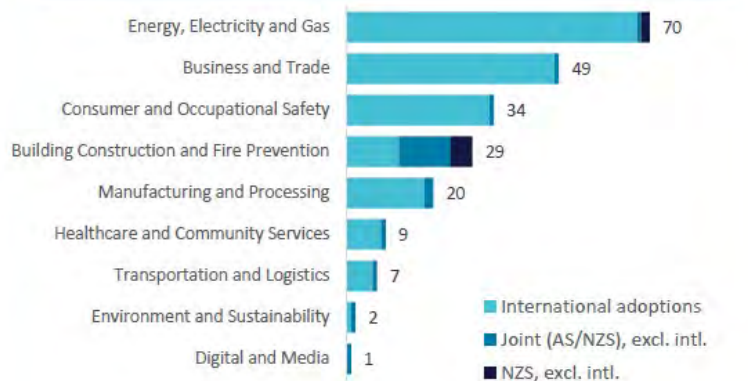


We submitted 1,486 New Zealand votes to international committees over the past 12 months



### Our latest publications

We added 221 publications to our catalogue over the past 12 months, 87% are international adoptions

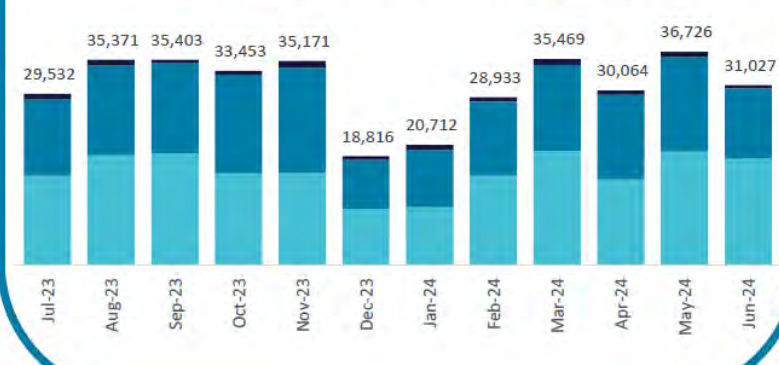


### User access to our publications

Users accessed our publications 341,145 times over the past 12 months



*The standards referenced in the Building Code are the most used*





# New Zealand Standards Approval Board

# Who are the NZ Standards Approvals Board

- The Standards Approval Board is an independent statutory board set up under the Standards and Accreditation Act 2015.
- Appointed by the Minister for Commerce & Consumer Affairs
- Bringing sector specific experience, skills and expertise to New Zealand's standards system, including:
  - **Building, Construction & Architecture**
  - **Information and Digital Technology & Innovation**
  - **Health**
  - **Manufacturing & Product Development**
  - **Gas and Energy**
  - **Science, Conformance Testing Inspection & Certification**
  - **Data & Information Management**



Victoria MacLennan  
Chair



Richard Merrifield  
Member



Brian Watson  
Member



Susan Iversen  
Member



Fiona van Petegem  
Member



Fa'asalele Simona Malo  
Member



Peter Gilbert  
Member



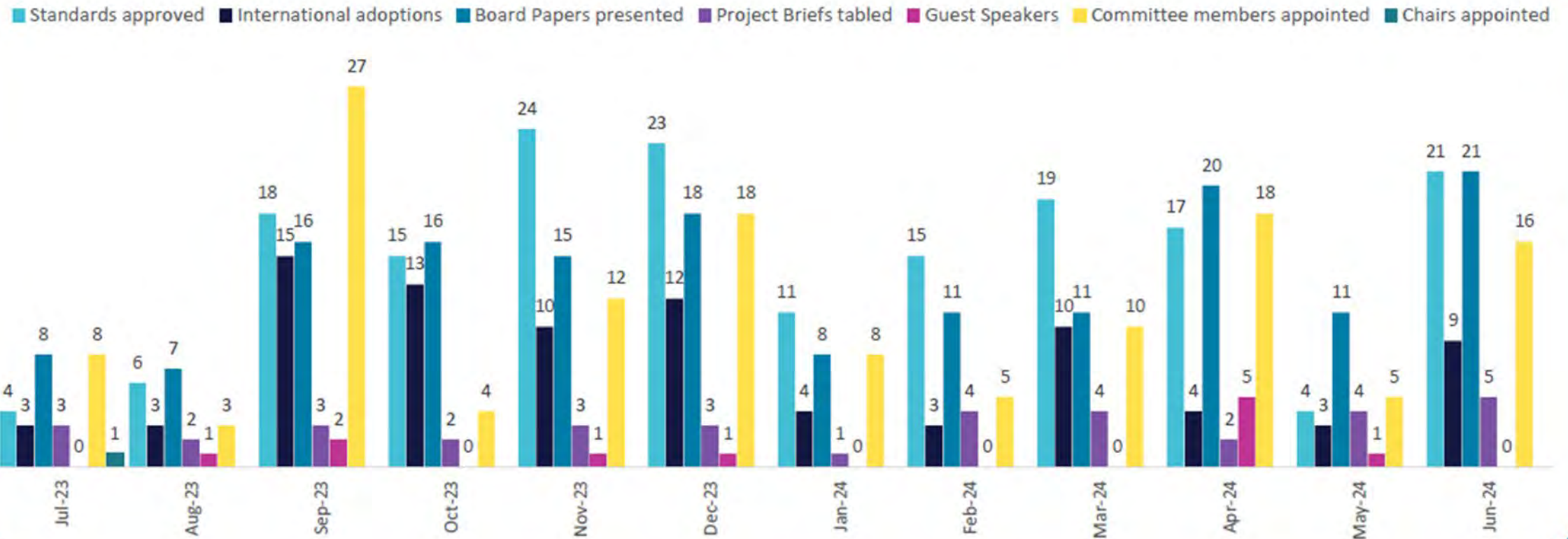
# Statutorily Independent, its roles and functions include

The Board is responsible for:

- Hearing and contributing to standards development project briefs
  - Approving standards development committee membership, chairs and committee members
  - Approving new, modified and revised standards, both NZ Standards, joint Australian/New Zealand Standards and international standards adoptions and modifications
  - Contributing their knowledge, networks and expertise to the standards system in New Zealand
  - Reporting to and keeping the Minister for Commerce and Consumer Affairs updated on standards issues.
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The Board is particularly focused on **ensuring balanced representation** and **increasing** both the **volume** and **diversity** of **industry subject matter experts** participating in standards development committees

### Standards Approval Board activity





# Standards New Zealand's Strategic Priorities

# Strategic Priorities 2023- 2027

## Business sustainability



Improving the sustainability and growth of our business through our strategic priority initiatives that focus on our services and products, operating model, partnerships and business efficiencies

## Climate change



Making an active and valuable contribution to New Zealand's efforts to address climate change issues and reduce our carbon footprint as a nation

## Customer service



Having services and products that meet markets needs – timely, relevant, affordable, accurate and accessible.

## Digital economy



Making an active and valuable contribution to New Zealand's evolving digital economy by helping define good practice, performance and protection requirements



# Infrastructure Resilience

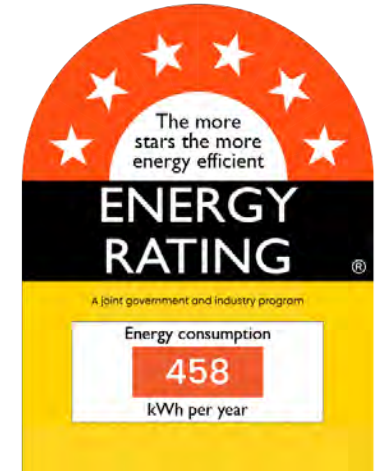




# Waste Minimisation & Recycling

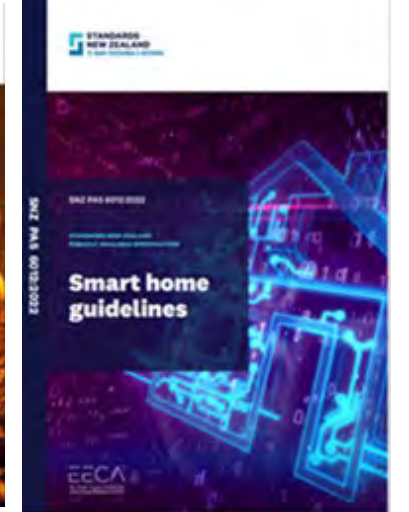


# Energy Efficiency





# Energy Efficiency

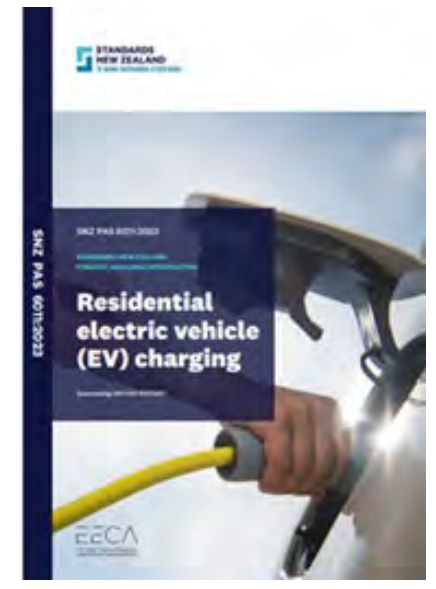




# Electrification of NZ, Electric Vehicles & Transport

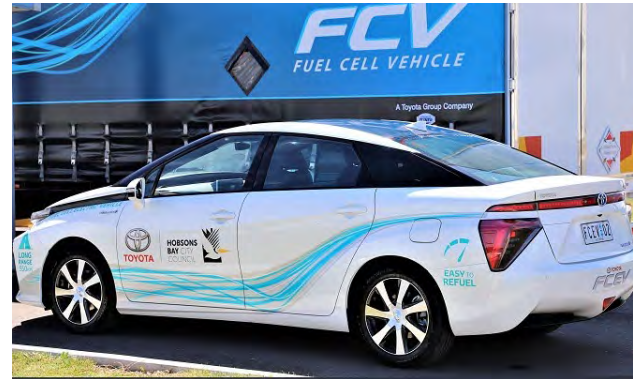








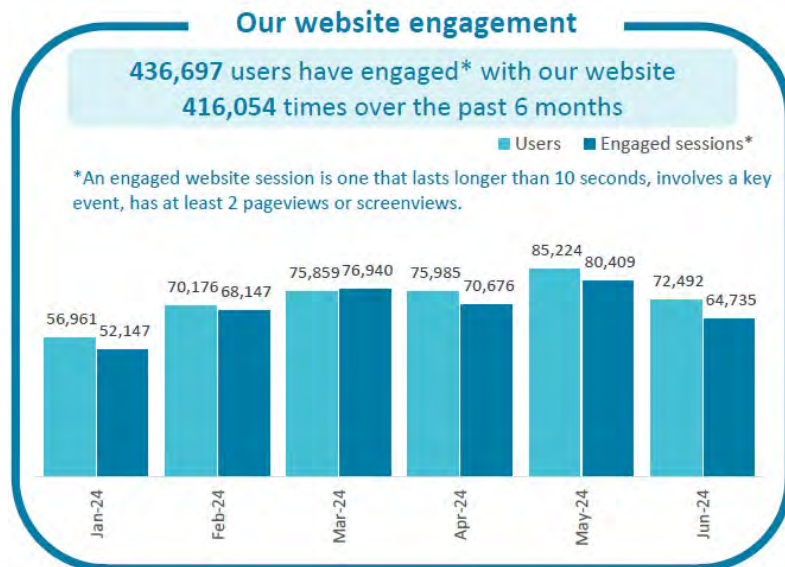
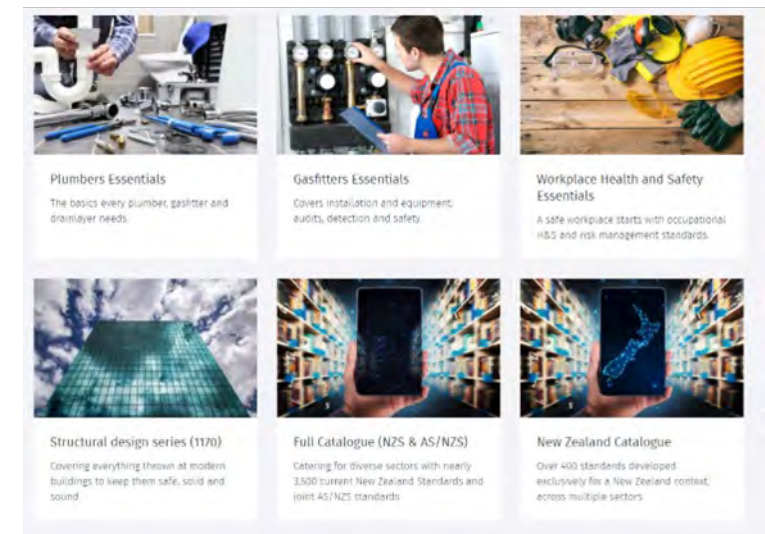
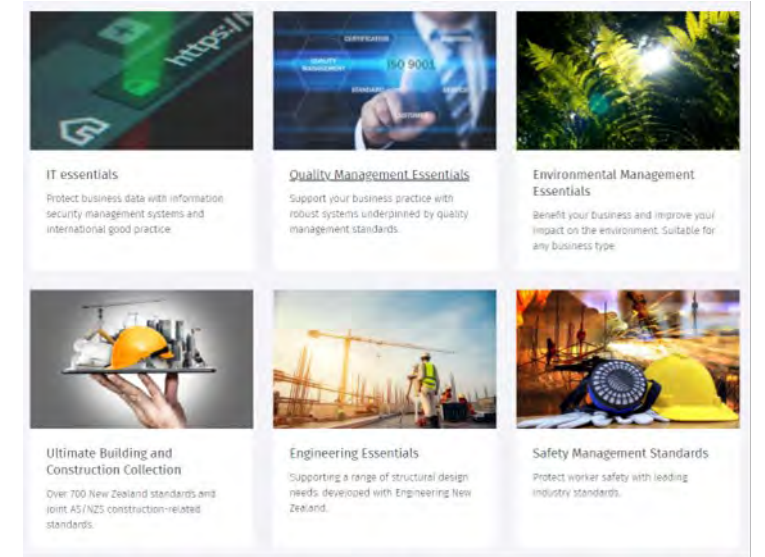
# Hydrogen Energy





# Customer Service

- Diversify our product and service offerings
- Enhance our web-shop functionality increase self-help capability





# Business Sustainability

- Exploring opportunities for establishing new funding models and revenue sources.
- Exploring and implementing different ways to deliver our business activities to improve the efficiency and effectiveness of existing resources, business systems and processes.
- Building brand and value recognition and raising awareness of our products and services and the value they can add.
- continuing to negotiate ongoing sponsorship arrangements, currently across Building, Health, Electrical Safety.



# International engagement, & participation

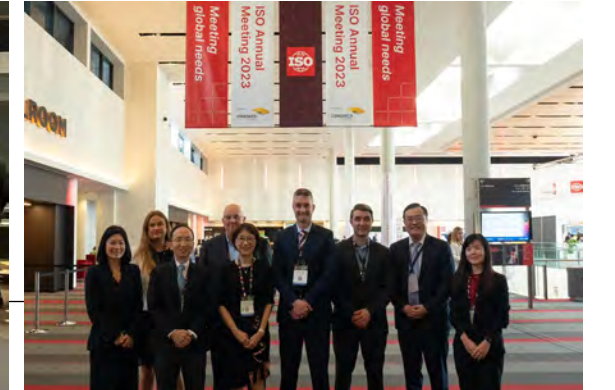
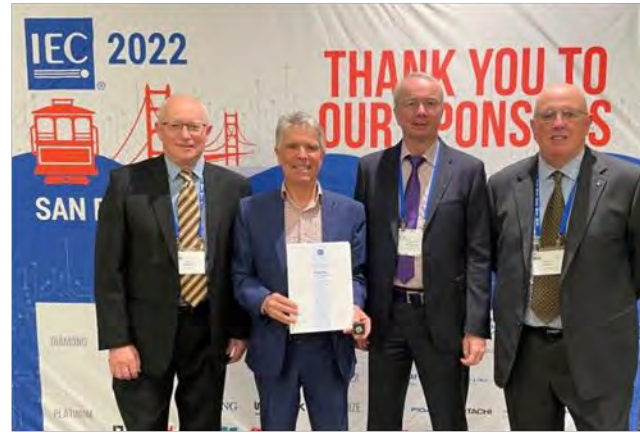
# Trans-Tasman Relationship

- Supports a larger single economic market/market entry.
- Captures a broader knowledge base of expertise.
- Brings efficiencies.
- Gives more consumer confidence.
- Support interoperability of products and services across markets.
- Built on a 41-year relationship.
- Supports international standards adoptions and modifications in a harmonise way across Australasia.



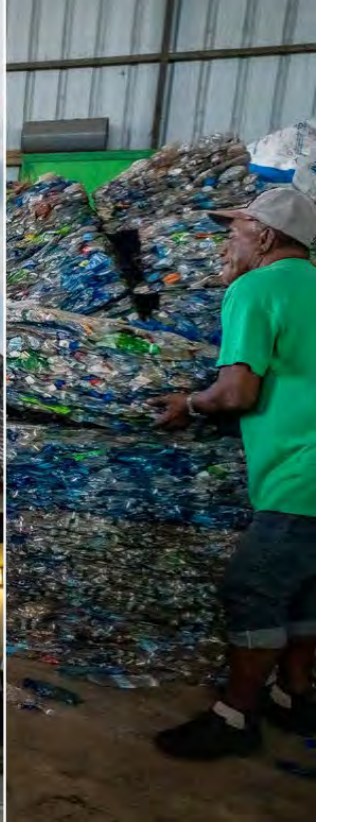


# International participation





# Pacific Islands Standardisation Focus



# Some examples of recent work



# Hydrogen – a renewable future fuel

- Substantial review of standards and adoption and modifications of international standards to support New Zealand adoption of hydrogen.
- Covering standards for storage, transportation and vehicle refueling and large-scale distribution to ensure accessibility across the country.



# Smart farming

- New Zealand actively involved in development of an ISO Standard for Smart Farming, to help inform global standards.
- Using automated technology and remote access to real-time data and applies a macro-scale 'planet-wide' view of impacts that interactions on the farm may have and can support changes needed to farming practice in response to climate change and increase efficiency.
- With agriculture a core contributor to New Zealand's economy, and agritech so widely employed, New Zealand is taking an active role along with another 22 other participating countries.





# Communications and Marketing initiatives



# Energy Efficiency

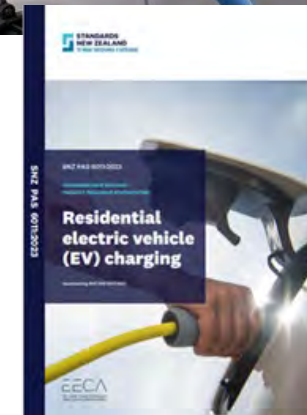
- Example: A publicly available specification (PAS), SNZ PAS 6012:2022 **Smart home guidelines**, provides consumers, suppliers and retailers with general smart home information and introduces the concept of 'demand flexibility' and an overview of what smart home technology and a home energy management system (HEMS) is.
- Homes that integrate smart technology can help reduce energy and emissions use during peak demands and take pressure off our national electricity supply.





# Smart EV technology

- Following the success of 2021's publicly available specifications (PAS), both EV charging publications have again just been updated again . This reflects the rapid nature of change that EV charging is undergoing and the subsequent responsiveness of the PAS-style of publication to support change initiatives.
- With a growing number of EVs on New Zealand roads now, smart charging will help ease pressure on the national power supply.



# Building our capability to engage and serve Māori



## Building our capability within Standards New Zealand to engage and work with Māori

Part two: Committee representation

### Why?

Māori are the tangata whenua (people of the land) of Aotearoa New Zealand. Te Tiriti o Waitangi (the Treaty of Waitangi) established a foundation of partnership, mutual respect, cooperation and good faith between Māori and the Crown. As part of the Ministry of Business, Innovation and Employment, Standards New Zealand have a responsibility to enhance relations between the Crown and Māori and ensure that Māori interests and needs are represented and catered to in the standards and conformity system.

**Te Tiriti principles:** As articulated by the courts, Te Tiriti principles were endorsed by the Waitangi Tribunal as closely reflecting the intention of Te Tiriti and the aspirations of Māori. The principles that most directly apply to our work are:

- **Tino rangatiratanga:** Having meaningful control over one's life and cultural wellbeing. For Standards New Zealand, this means empowering Māori to choose their path and act on it as well as express it as Māori (Māori world view) concepts and ideas.
- **Equity:** Providing support for everyone to access equal opportunities. In standards development, this means being committed to achieving equitable (economic, employment and wellbeing) outcomes for Māori.
- **Active protection:** Acknowledging that Māori and the Crown are responsible for protecting mātauranga Māori (Māori knowledge, interests, values and other taonga (treasures)) for the good of all people.
- **Partnership:** Working with Māori in terms of governance, design, delivery and monitoring of our services. Māori must be co-designers with the Crown to inform or influence kaupapa Māori (the Māori way) into the standards development process.

**Committee representation:** Our work to increase Māori representation on committees aligns with the following values:

- **Kotahitanga:** Māori unity and a shared sense of belonging.
- **Whanaungatanga:** Forming and maintaining relationships and strengthening ties between kin and communities.
- **Kaitiakitanga:** Guardianship of natural resources and the land.
- **Manaakitanga:** Showing respect, generosity and care for the people who use services, for their whānau and communities, and for their information and stories.
- **Tino rangatiratanga:** Māori people's self-determination, ownership and control.

### How?

We can help progress Crown-Māori relations by developing standards that are focused on supporting Māori needs across a range of important areas, such as hauora (health), mātauranga (education), pakiri Māori (Māori businesses), tāpoi (tourism), taiao (the environment) and papakāinga (Māori housing).

In terms of expanding pools of experts involved in standards development, the first step is to build Māori capability on committees. Actively recruiting Māori to committees is crucial to ensuring that all New Zealanders are represented and that the standards developed are cross-culturally relevant. With Māori representation, standards development committees can take culturally specific requirements into account and consider the challenges and opportunities unique to Māori (in terms of culture, people and the land). Primary industries and the building and construction industry employ a high proportion of Māori. As well as being two of Standards New Zealand's priority sectors, they are areas where there may be technical experts who can, in the immediate term, help improve Māori representation and appreciation of to a Māori in the standardisation process.



## Building our capability within Standards New Zealand to engage and work with Māori

Part one: Professional development of Standards New Zealand team

### Why?

**Whanga Amonga** is NZS's operational plan that supports the successful delivery of building our capability to engage with Māori. It is aligned with the **Te Whakaitanga Māwaka Māori Strategy**. Ultimately for NZS to effectively partner with Māori we need to lift our internal Māori capability. This plan covers four key competencies and two phases:

- Phase one: 1) Te ao Māori (Māori language) and 2) Te Tiriti o Waitangi/ The Treaty of Waitangi and New Zealand history are minimum competencies for phase one.
- Phase two: 3) Whanga and kaitiakitanga (expertise and practices), and 4) Engagement with Māori.

We need to strengthen and grow our cultural capability across Standards New Zealand so that we have an understanding of us as Māori (Māori world view) and Māori ways of thinking and doing things. Creating partnerships with Māori is vital to enabling Māori to realise their own goals and aspirations as they relate to the development of standards, and to enable meaningful participation by Māori in sector conversations and consensus building.

### How?

As part of NZS, Standards New Zealand will begin with building our capability in Te Tiriti, te ao Māori and te ao Māori through professional development, the will provide a safe and enabling environment where all staff are supported. We will embrace values of manaakitanga (hospitality and respect) and whanaungatanga (kinship and shared experiences) in our journey.

1. **Individually:** Individuals identify and set goals to improve their cultural competency skills through their Personal Development Plans. These personal development goals must cover the mandatory courses (to be completed by end of 2023) and may also include additional, optional development opportunities. The Personal Development Plans will include success measures, agreed with the relevant people (e.g., specific to the individual, where they are on their journey, and the specific requirements of their role).
2. **As the Standards New Zealand team:** Standards New Zealand have monthly hui to share updates, acknowledge challenges and successes, and discuss areas of work. These hui also provide opportunities for team-wide development. At least four hui per year will include agenda items intended to develop and support our Māori capability. This may include guest speakers, activities, discussions about specific work items, etc.



### Objectives for phase one:

- We are each on our own cultural competency journey. We are starting from different levels of competence, and our roles have different expectations for engagement with Māori. By making this commitment to professional development our intention is:
- That individuals have improved understanding of, and confidence in the use of, te ao. Our pronunciation will improve, and we will make greater use of te ao verbally and in our written communications.
  - That the Standards New Zealand team has a basic understanding of te ao Māori concepts and is able to share it with new team members; the demonstrate appropriate cultural practices, including using pepeha (biocultural) and karakia (incantations/chants used to invoke spiritual guidance and protection).
  - That individuals have improved understanding of the historical context of Te Tiriti. This context will help reinforce why te ao and te ao Māori are important.

### Mandatory learning

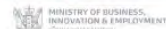
- Learn pepeha
- Introduction to Pepeha
- Te ao Māori
- Introduction to Te Ao Māori
- Te Ao Māori 201
- Kōwhiri Awhiri (people lessons only)
- Te Tiriti
- Public Service Instruction
- Te Tiriti o Waitangi 101

### Encouraged learning

- Te Papa Tour
- He Tohu (National Library tour)
- Introduction to Engagement with Māori Workshop (delivered by Te Awarauhi Office of Māori Crown Relations)
- Te Tiriti o Waitangi and Aotearoa History Workshop (delivered by Te Awarauhi Office of Māori Crown Relations)

### Additional learning

- Kōwhiri Whānau
- Te Tiriti o Waitangi kōwhiri
- The Story of Te Tiriti o Waitangi
- Understanding Treaty Negotiations
- Te Whare Wānanga o Aotearoa
- Te Pūkakihi Rau Levels 1 - 6
- The Māori Bible
- Hōwhiri Whānauwhiri whānau group
- Kōwhiri Awhiri



Te Kāwanatanga o Aotearoa  
New Zealand Government

## Building our capability within Standards New Zealand to engage and work with Māori

Part two: Committee representation (continued)

### Action plan

Objective	Action	Milestone dates
<b>Recruitment strategy</b>		
Establish a pool of Māori subject matter experts	Complete a contact list of Māori-led networks.	By end of June 2024
	Complete a contact list of Māori-led organisations which could forward details of opportunities to relevant experts.	By end of June 2024
Communicate our value proposition	Develop a pitch that recognises the values listed above and identifies the value of joining committees.	By end of June 2024
	<ul style="list-style-type: none"> <li>• to the individual</li> <li>• to their community</li> <li>• to wider New Zealand.</li> </ul>	Ongoing
Promote opportunities	Engage with Te Whakaitanga Service Delivery's Te Pou Whakaitanga team to develop culturally appropriate recruitment strategies and messaging for various channels (for example, email, social media, in-person hui (meetings) and events).	Ongoing
	Engage with Duncan Robin, Director Māori, Corporate Services on whether there is an enterprise approach for Māori recruitment that could apply.	Ongoing
	Develop an information and recruitment video to promote the benefits of being a committee member to a wider range of people (including a specific focus on the value that Māori representation and participation in committees brings).	Delivered June 2024
	Review and update information on the Standards New Zealand website.	By end of 2024

### Inclusiveness of process

Determine if relevant people could provide to an Māori perspective on committees	Under section 170(1a) and 170(1c) of the Standards and Accreditation Act 2018, the Standards Approval Board can appoint people to be members of Standards development committees. In doing so, the Board must ensure that each member has: <ul style="list-style-type: none"> <li>• skills, knowledge and experience relevant to the standard being developed or considered, or</li> <li>• knowledge and expertise of the sector or sectors most likely to use the standard.</li> </ul> Discuss with the Standards Approval Board whether it is possible to appoint to an Māori experts and where this type of expertise might be most desirable.	By end of June 2024
Update Standards New Zealand documents to be more inclusive of te ao Māori and te ao Māori construction	Review standards development process documents, including the statement of work, proposal documents and Standards Approval Board papers. Review information given to committee members, with a particular emphasis on the Standards Development Committee Handbook, terms of reference and proposal documents.	By end of 2024
	Review information on the Standards New Zealand website, including pages on the value of standards and the benefits of being a committee member, as well as expansion of interest forms.	By end of 2024
Encourage diversity and inclusiveness education for current committee members	Prioritize opportunities such as online courses and networking events. Explore which internal NZS and Whanga Amonga resources could be made available to committee members.	By end of 2024 Ongoing

### Seeking Māori perspectives through consultation

Expand our consultation list	Engage Māori-led and Māori-focused organisations and networks are included in consultation lists to better ensure cultural responsiveness and effectiveness of content.	By end of June 2024
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### Reward and recognition

Recognise committee members' contributions each year	In conjunction with World Standards Day, send a letter of recognition and thanks to committee members for their engagement over the previous year. Key individuals would receive a certificate. Develop a short video for social media channels to thank committee members and profile some of their efforts.	14 October each year
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This plan directly to 'Building our capability within Standards New Zealand to engage and work with Māori: Part one: Professional development of Standards New Zealand team: <https://mako.govt.nz/records/516461/14818763>



Te Kāwanatanga o Aotearoa  
New Zealand Government



NZS 8134:2021  
Incorporating Amendment No. 1

NEW ZEALAND STANDARD

Ngā paerewa  
Health and  
disability services  
standard

Superseding NZS 8134:2006, NZS 8181:2007, and NZS 8118:2012



Te Kāwanatanga o Aotearoa  
New Zealand Government

NZS 8134:2021



# Our current operating environment

# Economic Environment, Govt Priorities and Opportunities.

- Economic conditions & fiscal constraints are challenging.
- Increased trade and market access, double NZ's exports by 2030
- New economic relationships/markets
- Maintain existing economic markets (e.g. AUS, UK, China).
- Grow manufacturing in NZ
- Renewable Energies incl electrification of NZ
- Market Competition
- Decarbonising Sectors
- Small Business focus, increase use of technology and digitisation







**Thank you**  
**Questions?**