

# Legal Metrology in Practice

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Te Kāwanatanga o Aotearoa New Zealand Government

## Metrology Quality System

MBIE Trading Standards

Measurement Standards Laboratory

International Accreditation New Zealand

TRADING STANDARDS

Measurement Standards Laboratory

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### Metrology System Supports Conformity











### **Regulatory Responsibilities**

#### Legal Metrology (focus on trade measurement)



#### Aims as regulator:

- Protect consumers
- Build consumer and business confidence
- Provide a level 'playing field' for business Support domestic and international trade •

### **Trading Standards**

- Ensure New Zealanders have accurate measurement and quality fuel
- Maintain and promote the legal metrology infrastructure in New Zealand
- Regulate businesses in New Zealand regarding weights and measures legislation
- Educate businesses and consumers about their rights and responsibilities
- Promote fair trading practices



## **Elements of Metrology System**



### **Physical Standards**

- Ensure confidence and credibility
- Standards are predominantly used by Accredited Persons and Trading Standards officers
- Provide measurement traceability to the National Physical Standards
- Laboratories are NZ/ISO/IEC 17025 accredited



## **Accreditation Scheme**

#### Legislation

- Quality management system (based on ISO 9000)
- Verified testing standards (mass, volume and length)
- Audited system and individuals MOV, COA or NONC

#### Verification and Certification

- 49 Accredited Persons / 236 accredited individuals
- 45,000 approved weighing and measuring instruments each year

## Type (Pattern) Approval

#### Legislation

- Equipment in 'use for trade' to be of an approved type
- Methods of Type (Pattern) Approval (based on OIML recommendations):
- Full Pattern Approval (National Testing)
- Overseas Based Approval (utilise overseas test results).

#### Approval Certificate Register:

https://trademeasurement.tradingstandards.govt.nz/for-business/equipment-used-for-weighing-and-measuring/searchthe-approval-certificate-register/



## **OIML Certificate System**

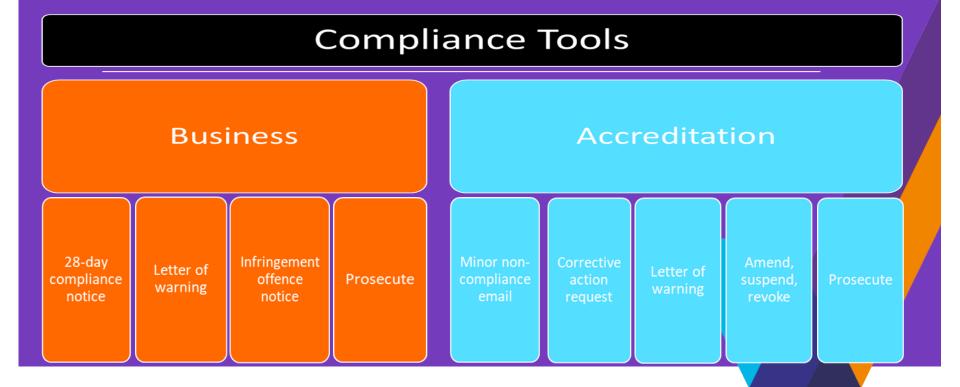
One Test / One Certification / Accepted Everywhere

Reduce technical barriers to trade Introduction to the OIML Certification System (OIML-CS) uploaded to the OIML YouTube channel

- 13 OIML Issuing Authorities (including NMIA)
- 39 Instrument Categories
- 74 Utilizers (including NMIA and TS)

<u>https://www.oiml.org/en/oiml-cs/oiml-cs-homepage</u> https://www.oiml.org/en/oiml-cs/information-for-manufacturers

### Complaints, Enquiries & Investigations



### **Wood Panels**



## **Meat and Poultry**













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# Thank you for your time

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