



# PAPUA NEW GUINEA NATIONAL INSTITUTE OF STANDARDS & INDUSTRIAL TECHNOLOGY (NISIT)

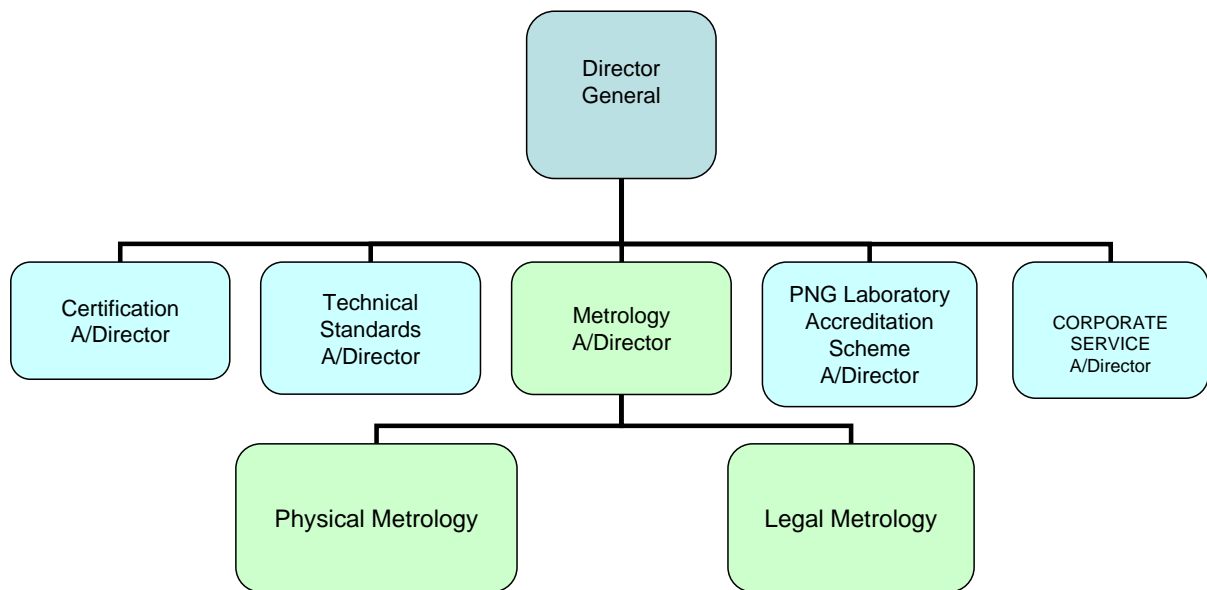


## NISIT in Brief



- An Act Passed By Parliament in 1993 known as the NISIT Act 1993
- NISIT is a statutory body under the department of Trade and Industry responsible for
  - Developing and maintaining Technical standards through its Technical Standards division
  - Certifying compliances to International Standards through its Certification Division
  - Accrediting Quality laboratory practices through its Laboratory Accreditation Scheme (PNGLAS)
  - Maintaining and disseminating the National Physical Measurement Standards through its Metrology Division operating as The Measurement Standards Laboratory (MSL).
- Measurement Standards Laboratory (MSL)
  - Division in NISIT
  - Custodian of the PNG National Physical Measurement Standards
  - Disseminates the measurement standards through calibration and verification services

# The NISIT Structure (simplified)



## Use of CNG/NGV in Papua New Guinea



- Use of CNG in Papua New Guinea:  
Nil
- Gas powered vehicles in Papua New Guinea:  
Forklifts that use LPG (less than 50 units)
- Main use of gas in PNG is LPG used as cooking gas
- Future prospects for CNG/NGV in Papua New Guinea:
  - Downstream processing of Natural Gas reserves into LNG and CNG (by 2012)
  - Possibility of CNG powered vehicles being used as a result of rising petrol/diesel prices and as a result of the Nations natural gas reserves

# Verification of Fuel Dispensers in PNG (NISIT and ICCC)

- An MOU was signed between NISIT and ICCC (independent Competition and Consumer Commission) on March 21st 2005.

- Share resources
- Technical assistance
- Technical training and advice
- Empowered to carry out inspectors' task



## Trade Measurement Act

Independent Consumer & Competition Commission (Regulator)

- Consumer Protection Body

Regulate under:

- ✓ Trade Measurement Act Regulation
- ✓ Packaging Act Regulation
- ✓ Bread Act Regulation



Under the Trade and Measurement Act:  
The ICCC is empowered to provide verification on weights and Measures for Trade use



# Role of Trade Measurement Inspector

- Trade Measurement Inspectors' check and verify all measuring equipment that are used for trade.
- Inspectors are approved by the government to inspect and conduct verification of fuel dispensers.
- A verification check is scheduled every twelve months at service stations and on vehicle tankers.



## Looking Ahead

- NISIT hopes to gain from this training:
  - Update on verification procedures of fuel dispensers
  - Improve NISITs Flow and Capacity Laboratory using the skills/techniques acquired.
  - Disseminate verification procedures through training programs to regulators (ICCC) and others concerned
  - Provide technical assistance to our developing petroleum industry.
  - To support ICCC through provision of Fuel Dispenser verification service



**END**