



**Improving the quality of certification,  
measurement, verification and  
validation of conformity assessment  
results**

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# SANAS 30 years of accreditation experience



**SANAS is recognized as the only national body responsible for carrying out accreditation in respect of bodies that provide conformity assessment services, which includes:**

- **Calibration, testing and verification laboratories and Medical laboratories,**
- **Certification Bodies, including GHG emission validation and verification bodies and Energy Management**
- **Inspection Bodies and Monitoring including Energy Efficiency Measurement and Verification**
- **SANAS accredited bodies in South Africa over 1400**

***The Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 19 of 2006***



- SANS/ISO 50 010 helps organisations who wish to measure and verify their energy saving.
- Provides a standard approach to measurement and verification of energy saving and energy efficiency.
- SANAS accredited measurement and verification bodies are technical competent to conduct energy saving calculation in accordance with the SANS/ISO 50 010.



- GHG validation and verification is the independent and systematic evaluation of an organisation's declaration of its GHG emissions or GHG projects against a particular validation and verification criteria by a GHG Validation and Verification Bodies (V/VB).
- GHG criteria comprise the policies or requirements that are established by government or a voluntary reporting initiative like the Carbon Disclosure Project (CDP).
- The V/VB's are responsible for completing an objective assessment and providing a validation or verification statement concerning the responsible party's GHG assertion, based on evidence.
- Sanas is responsible for performing technical competence assessments of the V/VB.



- SANS/ISO 14 064 helps organisations to quantify their Greenhouse Gas emissions and communicate on them.
- SANS/ISO 14 064 and SANS/ISO 14 065 provide an internationally agreed framework for measuring GHG emissions and verifying claims made about them so that "a ton of carbon is always a ton of carbon".
- Using a SANAS accredited validation and verification body , improves the integrity, transparency and credibility of data used for organisational GHG assertion statement.



- SANS/ISO 14 001 will contribute to any organisation's objectives to operate in an environmentally sustainable manner.
- The overall aim of the SANS/ISO 14 001 is to support environmental protection and prevention of pollution in balance with socioeconomic needs.
- Organisations that have implemented Environmental Management Systems (EMS) and want their management system to be certified should use SANAS accredited certification bodies.
- Accredited certification bodies bring integrity and credibility to the implemented management system.



- SANAS' accreditation gives formal recognition of a CAB's competence to perform specific tasks
- **SANAS assess factors relevant to an organisation's ability to produce precise and accurate data, including the:**
  - technical competency of staff;
  - validity and appropriateness of methods;
  - traceability of measurements to national standards;
  - suitability, calibration and maintenance of equipment;
  - suitable environmental conditions;
  - handling of test / inspection items;
  - quality assurance processes

## Ensuring the quality of the data



**THANK YOU**

