

A summary of regulatory requirements PER (pressure equipment regulations).

Reference documents:

1. Government Gazette (OHSA) R734 of 15th July 2009.
2. SANS/ I SO 17020 standard specification for inspection bodies.
3. SANAS TR 83-01 Department of Labor and SANAS “technical requirements for the application of SANS/ISO 17020 in the regulatory assessment of pressure equipment inspection bodies”

The following is a summary of the clause(s) contained in the above reference documents that identify the requirement for SANAS or NML (National Metrology Institute) calibration certificates. I have underlined the key words. Words in **bold type** are mine.

Government Gazette.

1. Under definitions
  - *“**pressure accessory**” (read **pressure gauge**) means a device with an operational function having a pressure- bearing housing*
2. Under scope.
  - *These regulations shall apply to the design, manufacture, operation, repair, modification, maintenance, inspection and testing of pressure equipment with the design pressure in equal to or greater than 50 kPa.*
3. Under “pressure and safety accessories” clause 10 sub clause 3
  - *Every user of a steam generator or pressure vessel shall ensure that the steam generator or pressure vessel in use is fitted with at least one pressure measuring device.*

SANS/ISO 17020

clause 6.2.6.

- *Where appropriate measurement equipment having a significant influence on the results of an inspection shall be calibrated before being put into service and thereafter calibrated according to an established programme.*

Clause 6.2.7

- *the overall programme of calibration of equipment shall be designed and operated so as to ensure that, wherever applicable, measurements made by the inspection body are traceable to National or International standards of measurement.*

SANAS TR 83-01

clause 6.2 sub clause 6.2.6 a & 6.2.7a

- *Equipment identified under the criteria of clause 6.2.4 and clarified in 6.2.4 a must be traceably calibrated to National or International Standards.*
- *Measurement traceability can be provided only by a national metrology Institute NMI or a calibration laboratory appropriately accredited to ISO/IEC 17025.*  
***The SANAS pressure laboratory at Rhomberg Instruments meets this requirement. DL***

Footnote: I have a copy of the three reference documents.

Regards, Dave Land 23-10-2012