



**Forum: Metrology – Trade Facilitator
Request for support**



SOUTH AFRICA

Core Problem:

The South African Legal Metrology Department has the following problems:

- 1 Shortage of trained staff;
- 2 Equipment for the type approval, verification and inspection of measuring instruments;
- 3 Sustained financial support.

Significance of the problem:

The negative impact on:

- 1 Society - inadequate customer protection;
- 2 Economy - playing field not level,
- confidence in trade measurements not adequately addressed;
- 3 International trade - access to international market for SA manufacturers limited;
- 4 Safety - confidence in measurements not ensure;
- 5 Environment - not addressed at present.

What is needed:

- 1 Equipment to test for:
 - a) Power voltage variation;
 - b) Short time power reduction;
 - c) Electrical bursts;
 - d) Electrical surges;
 - e) Electrostatic discharge;
 - f) Electromagnetic susceptibility;
 - g) Environmental condition;
 - h) Vibration;
 - i) Tilting.
- 2 Equipment to test:
 - a) Liquid meters to capacity 5000 L/min;
 - b) LPG meters to capacity 1000L/min.
- 3 Trailers:
 - a) With measures to test liquid fuel dispensers;
 - b) To carry mass pieces to capacity 1 tonne.
- 4 Training:
 - a) More specialized training for qualified personnel.

Contributions:

Contributions for internal resources:

1. Purchase of equipment for inspection purposes;
2. Employment and in-house training of inspectors.

Whom to address:

During the Forum:

Mr. Stuart Carstens
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After the Forum:

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