

## The use of the SA Technical Infrastructure to implement government policies

Elsabe Steyn (PhD)

Workshop on the accreditation of measurement and verification bodies to ISO 17020:1998  
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## Presentation outline

- Background:IPAP2
- Technical support
- Incentives



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## Industrial Policy Action Plan for the period 2010/11 to 2012/13

- Green, energy-saving industries and energy efficiency have been identified as a new focus area in the Industrial Policy Action Plan for the period 2010/11 to 2012/13 (IPAP2) in response to the energy, carbon emission and climate change challenge faced by South Africa.
- IPAP2 furthermore provides for the development of an industrial energy efficiency framework including a M and V SANS and a M and V accreditation programme to counteract higher energy prices, lower current levels of emissions and create new goods and services.
- Energy efficiency, of which electricity efficiency is one component, has recently been incorporated as an important objective in many pieces of South African legislation and is the focus of the National Energy Efficiency Strategy.



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## Electricity tariff increases

- The manufacturing sector is the single largest contributor to GDP, i.e. 14%.
- Rapid annual of more than 25% between 2010 and 2013 together with a 35% electricity tariff hike between 2009 and 2010 have caused electricity efficiency issues to become highly topical in South Africa.
- In 2006 the manufacturing sector accounted for 14.6% of total final electricity consumption.
- In addition to high electricity tariff increases, industry in South Africa is also confronted with the challenge of moving towards a cleaner, more sustainable path of production, while increasing global competitiveness.

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## Manufacturing sector at risk

- It is recognised that higher electricity prices and carbon emission commitments are putting the manufacturing sector at substantial risk from a variety of fronts.
- This will therefore raise the need for the manufacturing sector to become increasingly more energy efficient in order to ensure their competitiveness relative to other producer nations.
- The concern however is that the increase in electricity costs may not necessarily automatically translate into energy-improving investments.
- Government proposes the development of a combination of technical and financial measures to help industry overcome higher electricity prices and environmental barriers to trade based on high carbon intensity.

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## Support industry

- Financial support for introduction of industrial energy efficiency improvements in industry;
- Technical support in the form of South African National Standards, accreditation of energy efficient measurement and verification industries by SANAS

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## Technical Infrastructure

- System to set standards, test against standards and accredit testers and others to ensure competence to perform technical measurements on products and processes.
- Composed of 4 legs in SA as in most industrial economies
  - measurement system (metric system)
  - standards - products and services
    - test, calibration, certification, verification and calibration services
  - accreditation – confirm competence of conformity assessment service providers
- Existence of international extensive network (BIPM, ISO, ILAC and IAF, OIML, WTO Committee on TBT, OECD Chemical Program) – mutual recognition
- SA system recognized, respected and accepted well internationally.




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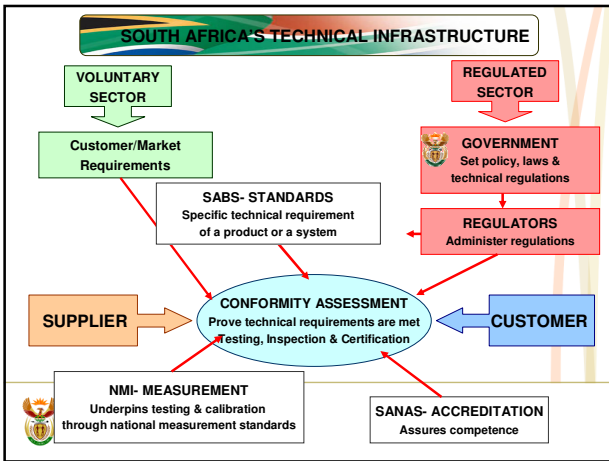
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## Incentives

- Section 12i Income Tax Allowance Incentive Introduced to Support Greenfield and Brownfield Investment Projects – the dti TEO
- Section 12l Income Tax Allowance for energy efficiency savings development by NT and supportive to be regulations issued by DoE



Eskoms DSM programme  
 - IDCs green industries support

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Thank you

[esteyn@thedti.gov.za](mailto:esteyn@thedti.gov.za)

Tel no 012 394 1362



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