

South Africa Bureau of Standards IPAP Commitments

SABS Executive Team



- SABS Overview
- Standards
- Conformity Assessments
- Role of SABS on IPAP commitments
- SMME Engagement

- Established formally in 1945
- Historically provided Regulatory functions (compulsory specifications).
- Regulatory functions transferred to NRCS 2008

- Standards Act No. 08 of 2008
 - Develops, promotes and maintains a catalogue of national standards
 - Promote quality of products and services; and
 - Render conformity assessment services

Role of SABS in the Global Agenda

SABS



Government Acts & Regulations
DoL, DEA, DoE, DoH,
etc



Technical Infrastructure

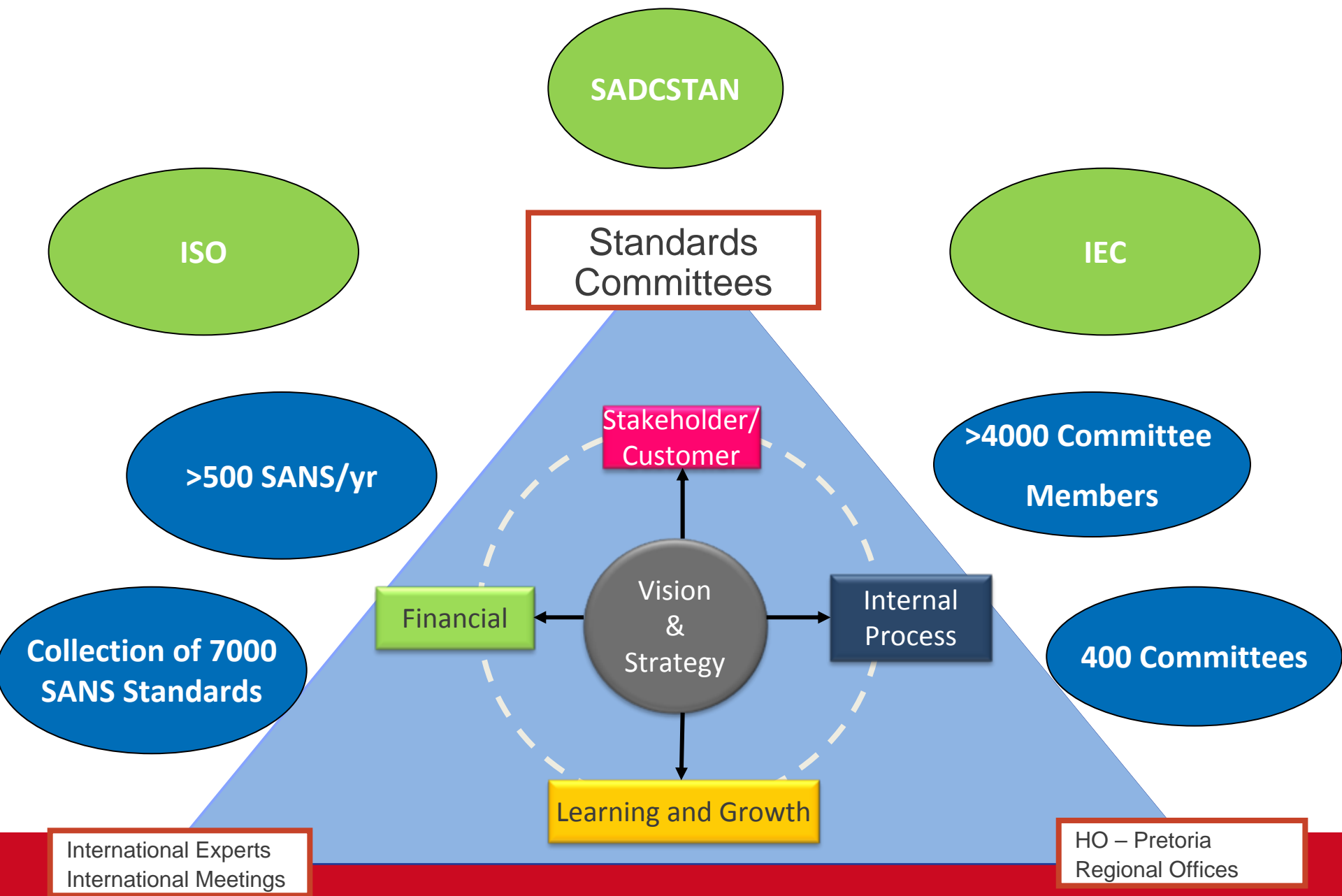
NRCS

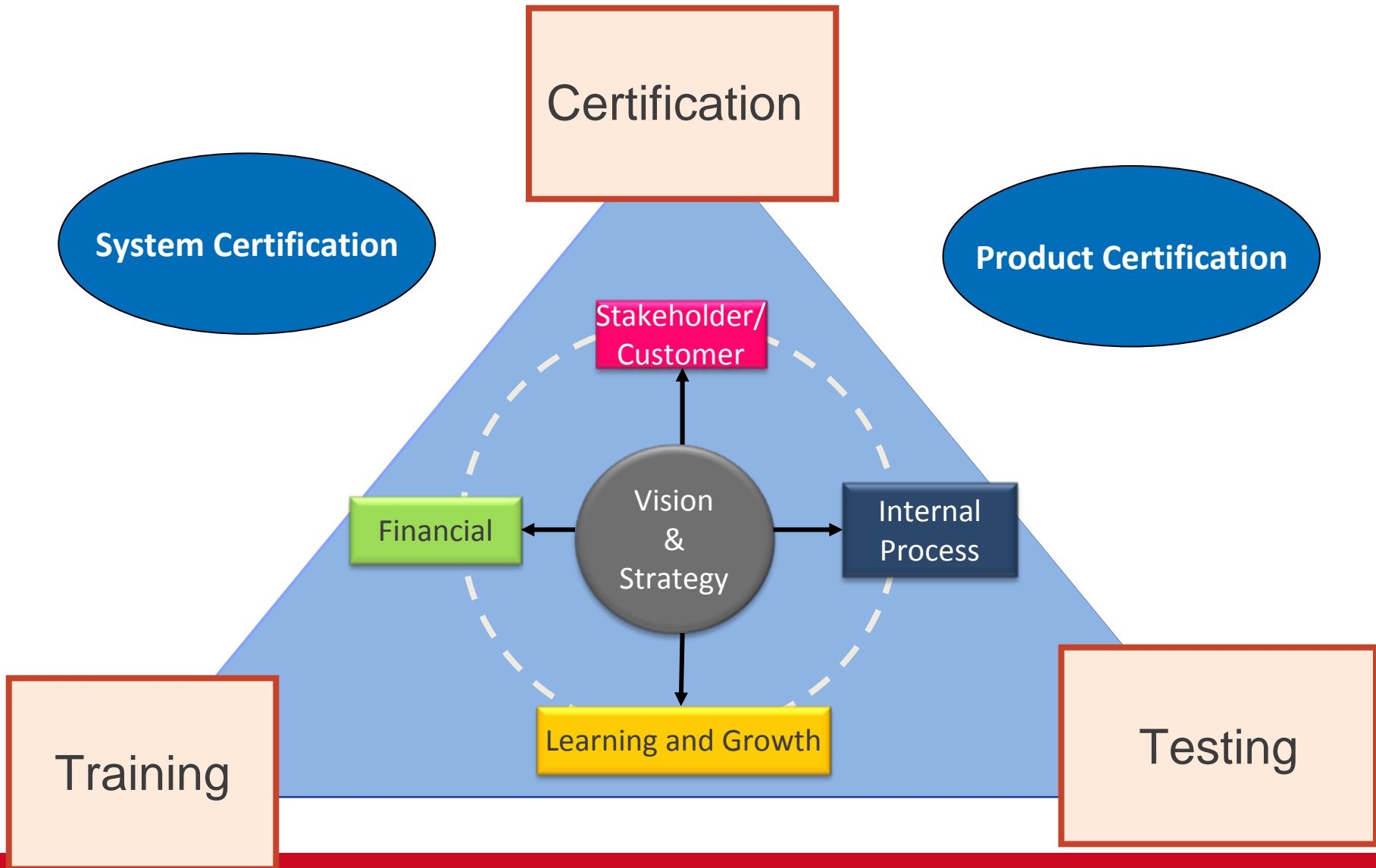
NMISA

SABS

SANAS

SABS Standards Division – Role in National, regional & International Standardization





SABBS

SABBS
ISO 14001

SABBS
ISO 9001

SABBS
OHSAS 18001



SABBS
ISO 22000

SABBS
HACCP

94 Standards
Harmonized

SA Hosts
Secretariat



Angola



Botswana



Democratic

Republic of the Congo



Lesotho



Malawi



Mauritius



Mozambique



Namibia



Seychelles



Swaziland



South Africa



Tanzania

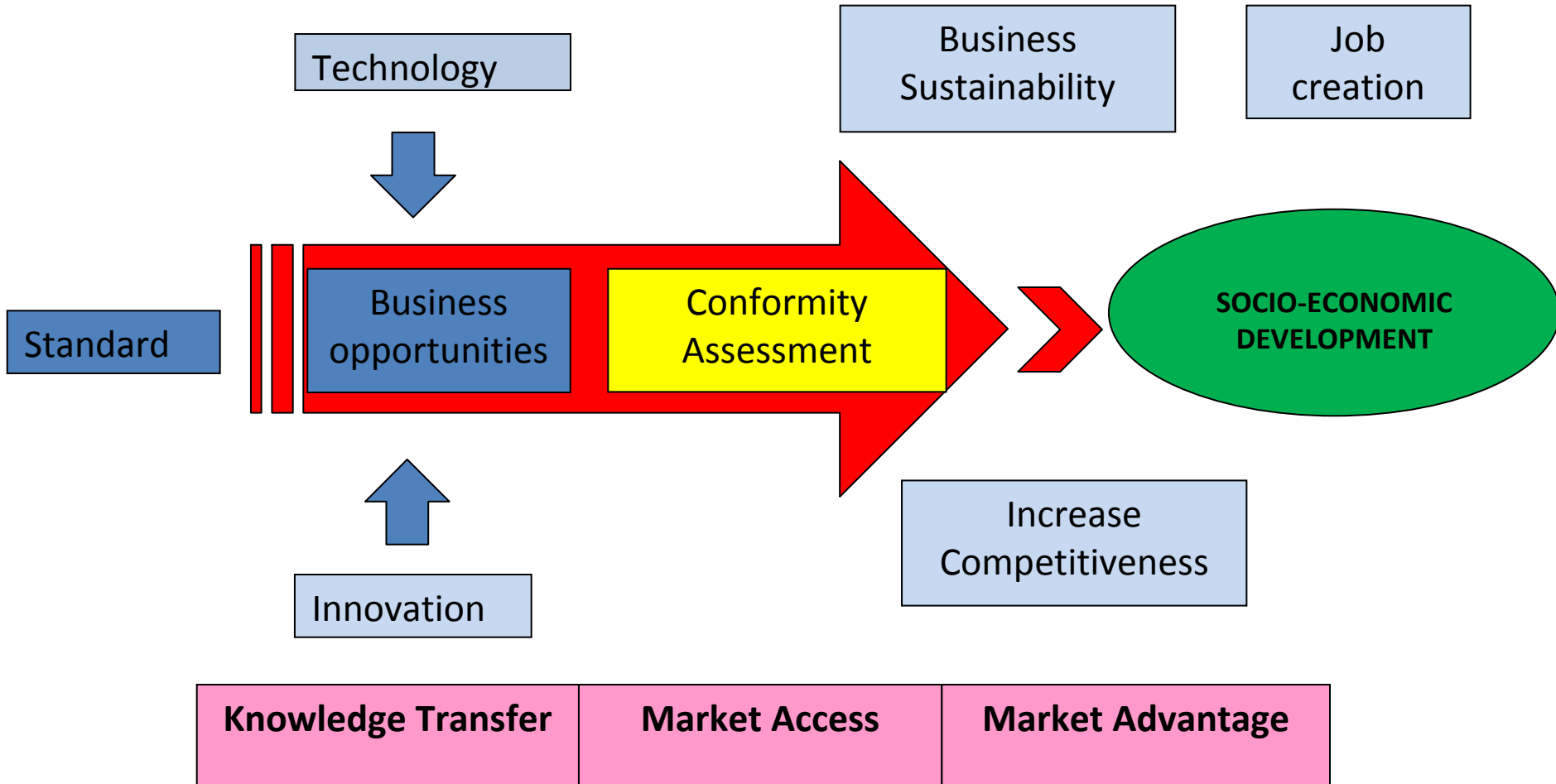


Zambia



Zimbabwe

Standards Value Proposal



- To support the development, accreditation and enforcement of standards that can create, scale up and resuscitate certain industries, while simultaneously contributing to broader social benefits
- To support export market access more actively by assisting business to meet the increasingly demanding standards of advanced developed and developing countries



- The standardizing body shall ensure that standards are not prepared, adopted or applied with a view to, or with the effect of, creating unnecessary obstacles to international trade
- Where international standards exist or their completion is imminent, the standardizing body shall use them, or the relevant parts of them, as a basis for the standards it develops, except where such international standards or relevant parts would be ineffective or inappropriate, for instance, because of an insufficient level of protection or fundamental climatic or geographical factors or fundamental technological problems.

- Develop market standards in key sectors
 - Agro processing
 - Metal fabrication
 - Green Industry
 - Chemical
 - Pharmaceutical
- Develop new mandatory standards to support regulatory enforcement
- Introduce and strengthen Testing and Certification capacity to support industry
- Support NRCS and SARS to strengthen work on illegal imports

17,8GW of renewable generation capacity by 2030

Year	Standards	Conformity Assessment
2011/12	Photovoltaic Systems - SANS 959 series – 7 parts Use in individual homes, schools and clinics) – off-grid application Homegrown Standard	-
	Wind turbines (11 standards (all published) – Adoptions Smart grids (20 SANS published for communication of smart grids & electricity metering of smart grids)	-
2012/13	Solar water heating systems (SANS1307) Homegrown Standard Domestic instantaneous solar water heaters (SANS 1346) – Homegrown Standard Heat Pumps SANS 1352 – The installation, maintenance, replacement and repair of domestic air source water heating heat pump systems - Homegrown Standard	Expanded testing for SWH and Heat pumps

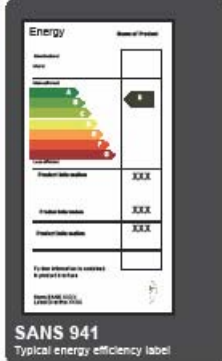
Industrial Energy Efficiency Programme

Year	Standards	Conformity Assessment
2011/12	Energy management system – with guidance for use (SANS 50001:2011)	Certification scheme and training course in 2012/13
	Energy efficiency labelling of appliances (SANS 941:2012) Homegrown	Energy efficiency testing of products and certification
	Measurement and verification of energy savings (SANS 50010:2011) Homegrown	-
2012/13	Electric vehicle propulsion systems (SANS 1103 (project))	Superfast switching test circuit for electric vehicles
	Gas vehicle propulsion systems (SANS 1104 (project))	-

Energy and Water Efficiency Building Regulations

Year	Standards	Conformity Assessment
2011/12	Energy efficiency in buildings (SANS 204:2011 and SANS 10400-XA:2011) Homegrown	-
2013/14	Water efficiency in buildings Plumbing Components (SANS to be developed or updated in line with the Water efficiency policy) Homegrown	Product Testing and administration of SABS Mark scheme

South African National Energy Efficiency Standards



SABS Standards Information

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Regulatory and support mechanisms to create a large-scale biofuels industry

Year	Standards	Conformity Assessment
2011/12	Biodiesel (SANS 1935) Homegrown	Testing and certification capacity exists
	Management system for biodiesel (SANS 833)	-
	Ethanol gel for domestic use (SANS 448) Homegrown	Testing and Certification exists
2012/13	Unleaded petrol standard (SANS 1598) Homegrown	Testing and SABS Mark Scheme
	Automotive diesel (SANS 342) Homegrown	Testing and SABS Mark Scheme
	Ethanol as a blend for fuel (SANS 1164) Homegrown	-
	Management system for ethanol production (SANS 1462) Homegrown	-
2013/14	Compulsory standards for: Olive oil, live rock lobster, honey, processed meat	-

Improve SA suppliers' quality management systems and obtain quality and/or product certification to increase their level of competitiveness.

Year	Standards	Conformity Assessment
2012/13	ISO 9001	Training and Certification Conduct ISO 9001 gap analysis for 60 companies Train 20 staff in companies on the implementation of the standard

Preferential Procurement Policy Framework Act (PPPFA)

Year	Standards	Conformity Assessment
2011/12	Technical Specification for measurement and verification of local content of local goods, services and work (SATS 1286) Homegrown	Launch of new laboratories in Groenkloof campus and modernisation of testing equipment
	Tourism service excellence SANS 1162:2011 & SANS 1197:2012 Homegrown	-
2012/13	Set top boxes -SANS 862 (to be published in June) Homegrown	Testing and certification of Set top boxes

Impact on cheap and poor quality goods

- Global challenge
- Standards set the entry criteria into the South African market
- Promote SABS Mark Scheme for regulation and procurement
- Collaboration of industry, government and SQAM infrastructure is critical

- Supplier Developmental audits
- Training services – Management Systems
- Awareness workshops on Standardisation
 - Standards Development
 - Value of Standards in Business
 - Importance of Conformity assessment in market access

- MOU's
 - TIA – Youth Innovation development fund
 - SEDA – Funding of SMME's
 - MassMart

Standards for business Is this really an important issue?

■ Standardization - a strategic business issue with new product development

■ Leadership in standards = I-

■ Standards are new innovation strengths and

■ T' standardization gifts decision-

development of international standards is

ac ing

Standards foster innovation and competitive advantage for business ... it is in business's interest to get involved!



THANK YOU