

Standards Development in the field of PPE

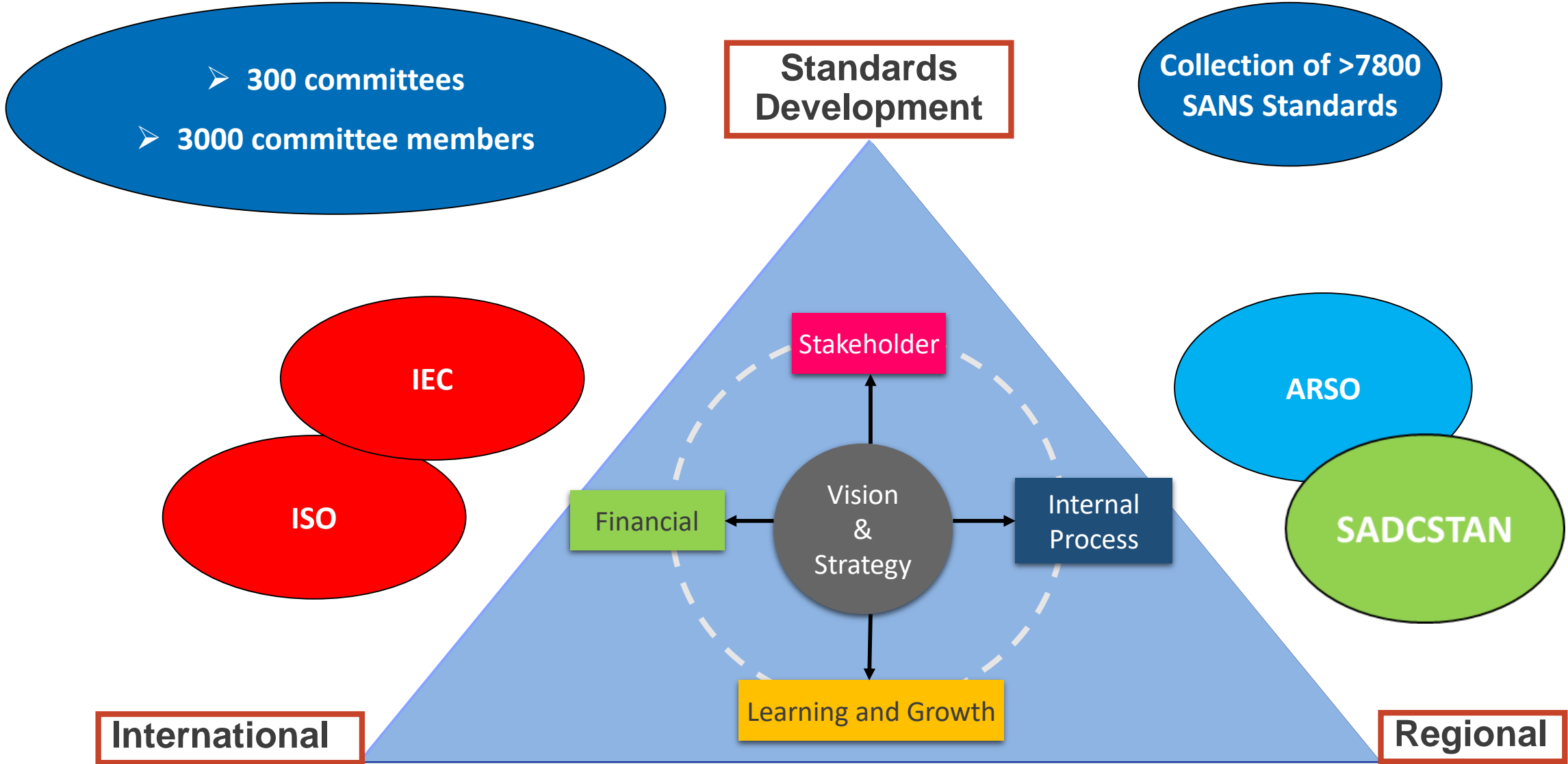
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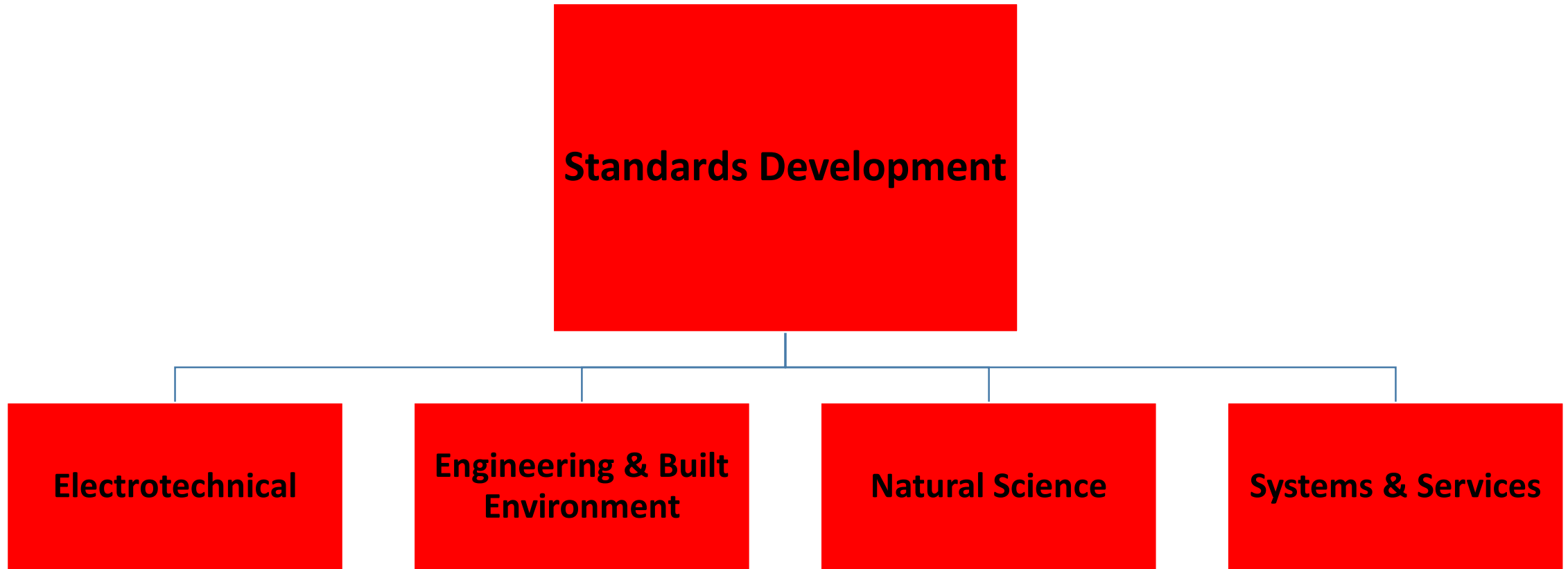


June 2003-to date: South African Bureau of Standards

- **STANDARDS WRITER** under the Natural Science, Clothing and Textiles
- Write product specifications and facilitate development of national standards
- **SABS/TC 1194SC01**(Chairman), Personal safety – Foot protection
- **SABS/TC 1194SC02**(Chairman), Personal safety – Protective clothing
- **ISO/TC 133**(Secretariat), Size designation, size measurement methods and digital fittings
- **ISO/TC 137**(Secretariat), Footwear sizing designations and marking systems
- **ARSO/THC 07**(Chairman), Leather and textiles







Engineering and Built Environment

Develops and maintains relevant national standards for:

- Construction, water and sanitation
- **Personal safety - Head, Ear, Fall, Respiratory**
- Solar heating systems, energy efficiency
- Fire safety, security, including safes, strong-room doors and locks
- Automotive, including cranes, small craft, bearings, jacks, lift trucks
- Timber, furniture
- Plastic products, including pipes and packaging
- Lifts, escalators, conveyors
- Engineering materials, including mechanical testing of metals- Ferrous and non-ferrous metals

Natural Sciences

Develops and maintains relevant national standards for:

- **Textiles, Clothing, leather, footwear, carpets, floatation devices**
- **Personal safety – Foot protection and Protective clothing**
- Industrial chemicals (which include detergents, polishes & other chemicals as well as paints & varnishes)
- Dangerous goods (classification, packaging and transportation)
- Laboratory equipment, Air quality, Micro biological Safety Cabinets
- Crafts, Stationery & office requisites
- Nano technology
- Fuels, lubricants products, solid mineral fuels
- Explosives & detonators and Industrial gases
- Food, food safety, water, dairy, agriculture including pesticides
- Safe management and transport of Livestock as well as Wildlife
- Healthcare including dentistry, medical, disinfectants, contraceptives, medical devices, cosmetics, as well as traditional medicines



Develop and maintain nationally relevant standards that support the competitiveness of South African industry and facilitate the protection of health, safety and the environment



Maintain a credible, inclusive, transparent, impartial and efficient standards development process that promotes wider participation and consensus principles



Maintain and increase the influence in the regional and international standardization arena in order to promote South African views and interests in standards development

Testing – Partial testing to continue

Certification – SANS/ISO series for 9001, 14000, 45000, 22000 etc.

Mark Scheme – SABS **APPROVAL** mark
SANS 434, *General protective clothing* has 16 markholders.



Standard is a document that provides rules, guidelines or characteristics for common and repeated use, includes terminology, symbols, packaging, marking or labelling requirements for a product, service, process or production method

To ensure that a product is:

- fit for purpose
- performs in the manner it is intended to

Standards are developed only when there is a national need for them

- developed by technical committees (TC) governed by SABS
- TC member representative is any individual that is nominated by his/her organization to represent it in the committee
- Standards are developed by way of consensus as in the SABS Norm:2018

1. Submission of New proposal to SABS Standards
2. Research and impact assessment
3. Approval by Standards Approval Committee
4. Establishment of Working Group
5. Development of Working Draft
6. Circulation of Committee Draft
7. Circulation of **Draft South African Standard** for public enquiry
8. Publication of **South African National Standard (SANS)**

OVERVIEW

CERTIFICATION &
ASSESSMENT

STANDARDS & PUBLICATIONS

PRODUCT TESTING

TRAINING



CLOTHING & PROTECTIVE WEAR - STANDARDS & PUBLICATIONS

SABS provides a range of standards covering the demands of the Clothing & Protective Wear industry, from quality management systems to test methods for specific materials or parts. These will help your organization to enhance customer satisfaction, meet regulatory, safety and reliability requirements, and ensure consistency of quality throughout the supply chain.

RELATED STANDARDS & PUBLICATIONS

SANS 50381-1

SABS CERTIFIED PRODUCTS

SABS CLIENTS

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[Complaints Procedure.](#)

[Customer Enquiry Process](#)

81 standards

TC 094 SC01, *Head protection*

TC 094 SC04, *Personal equipment for protection against falls*

TC 094 SC06, *Eye protection*

TC 094 SC15, *Respiratory protective devices*

16 standards

TC 1194 SC01, *Personal safety – Foot protection*

- SANS 20345, *Safety footwear – Regulated*

TC 1194 SC02, *Personal safety - Protective clothing*

- adopt ISO 20471, *High visibility clothing* with National Annexure for washing requirements (new ballot)
- revise SANS 434, *General protective clothing* to remove design aspects and include performance requirements (Economic impact assessment)
- SANS 724, *Thermal hazards of an electric arc* is for public comment (60 days until 06 June 2019)
- SANS 1794-1 and SANS 54325, *Hazardous industrial environment for flame and chemical* respectively (published)

- Increase the number of inspectors to ensure compliance to OHS Act
- Develop regulations in line with standards



PROTECTION OF HUMAN LIFE IS VITAL

The OHS Act is clear that an employer must provide the necessary protection to their employees.

“The supplier/m manufacturer must provide the necessary safety equipment that the employer requires and this is based on the **risk assessment done by the employer** and **guidance from the supplier/m manufacturer.**”

PREVENT DISPUTES AND LAWSUITS

Standard	Technical regulation
Document approved by a recognised body , that provides for common and repeated use, rules, guidelines or characteristics for products and services and related processes or production methods with which compliance is not mandatory	Document which lays down product or service characteristics or their related processes and production methods, including the administrative provisions, with which compliance is mandatory

1. Vital to the consumer / end-user to ensure that the right product is used.
2. Care-labelling is important to ensure the product is always fit for purpose.
3. Correct wash-care to ensure durability of treatment in order to still offer protection. (wash cycles, type of detergents)
4. Flammability - Label must specify fabric type and flammability performance eg. time and spread.
5. Chemical resistant PPE – Label must specify fabric type, chemical concentration and classification eg. Sodium Hydroxide, 40%, repellency >95% and/or penetration <1%.
6. Labelling must be accurate, clear and informative.

Warning

This garment is made from fabric type xxx that complies with Document reference number xxx.

Repellent to liquid chemicals >95% when tested in accordance with Document reference number xxx using the following chemical, 65% Nitric acid.

The garment should be replaced after X number of wash cycles OR replaced after any physical / chemical damage.



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Thank You

(Standards Division/Natural Science)

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