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THE CLINICAL ENGINEERING ASSOCIATION  
OF SOUTH AFRICA

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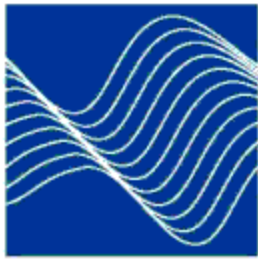
# **As at June 2005....**

**Where are we?**

**Rob Dickinson**

**Chairperson CEASA KZN**

**& National Vice President**



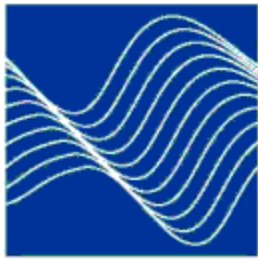
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# First a few reminders....

Who are we?

- **We are a National Association not for gain**
- **We represent *all* levels of Clinical Engineering Practitioners**
- **We have a clear and transparent Constitution**
- **We have strong local and National Committees representing *all* of the industry**
- **We truly practice Democracy**



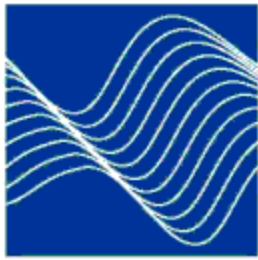
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## Our Branches....



- **September 2000**  
**Gauteng / North Sector**
- **September 2001**  
**KwaZulu-Natal**
- **December 2002**  
**Western Cape**
- **January 2004**  
**Free State**
- **June 2005**  
**Eastern Cape**



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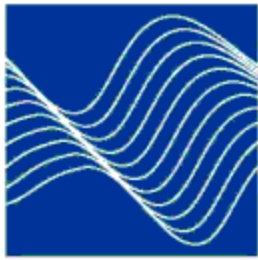


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# **The Voice For CE in S. Africa....**

**How do we fit in with SAFHE?**

- **The South African Federation Of Hospital Engineering (SAFHE)**
- **The main objective of SAFHE is to promote the principle of integrated design by improved collaboration amongst all professions who are engaged in the broad field of healthcare facility design, construction, engineering and maintenance of plant and equipment**



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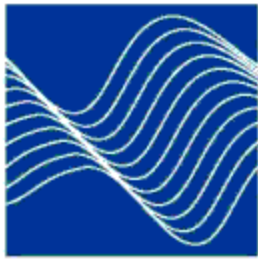


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# **The Voice For CE in S. Africa....**

**How do we co-operate with SAFHE?**

- **We have issued a joint statement of co-operation**
- **Members of SAFHE and CEASA are welcome to attend functions and talks held by either party.... Also congress co-operation**
- **SAFHE and CEASA branch and sector committees inform each other of committee meetings for which a representative from the other party would be able to obtain permission to attend**
- **Liaison in communication with the Government will take place in the interest of the hospital engineering industry as a whole**



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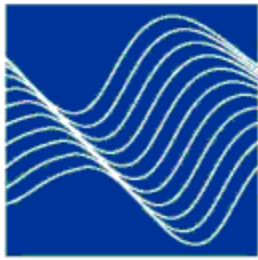


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# **The Voice For CE in S. Africa....**

**Who else recognises CEASA in SA?**

- **South African National Department Of Health (DOH)**
- **Engineering Council Of South Africa (ECSA)**
- **South African Bureau Of Standards (SABS / STANSA)**
- **South African Health & Allied Professional Associations**  
(De-facto recognition by our active participation in various  
National Health Committees and Forums)



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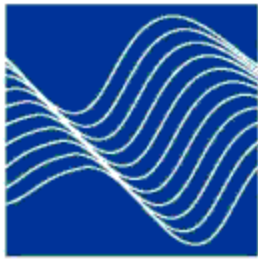


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# The Voice For CE in S. Africa....

What National Forums are we active in ?

- **ECSA - Registration of Clinical Engineering Practitioners**
- **DOH - Good Management Practice for Medical Devices (GMtP)**
- **DOH - Health Technology Assessment (HTA)**
- **STANSA - Medical Devices Technical Committee 5140.37**
- **UCT HTM - Collaborative Workshops on Clinical Engineering**
- **Education - Feedback to Tshwane Institute of Technology**
- **Others - Individual CEASA Members on a consultancy basis**



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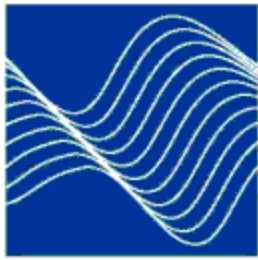
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# **The Voice For CE in S. Africa....**

**What are we involved in at ECSA ?**

- **ECSA registration of Clinical Engineering Practitioners**
- **Registration and Licensing of Clinical Engineering Technicians**
- **Medical Equipment Maintainer Registration (MEM)**
- **CE Standards Generating Group (SGG)**
- **Identifying & working with SAQA unit standard elements**
- **ECSA MEM Registration will then become a qualification**
- **CE Practitioner Continuing Professional Development (CPD) system**





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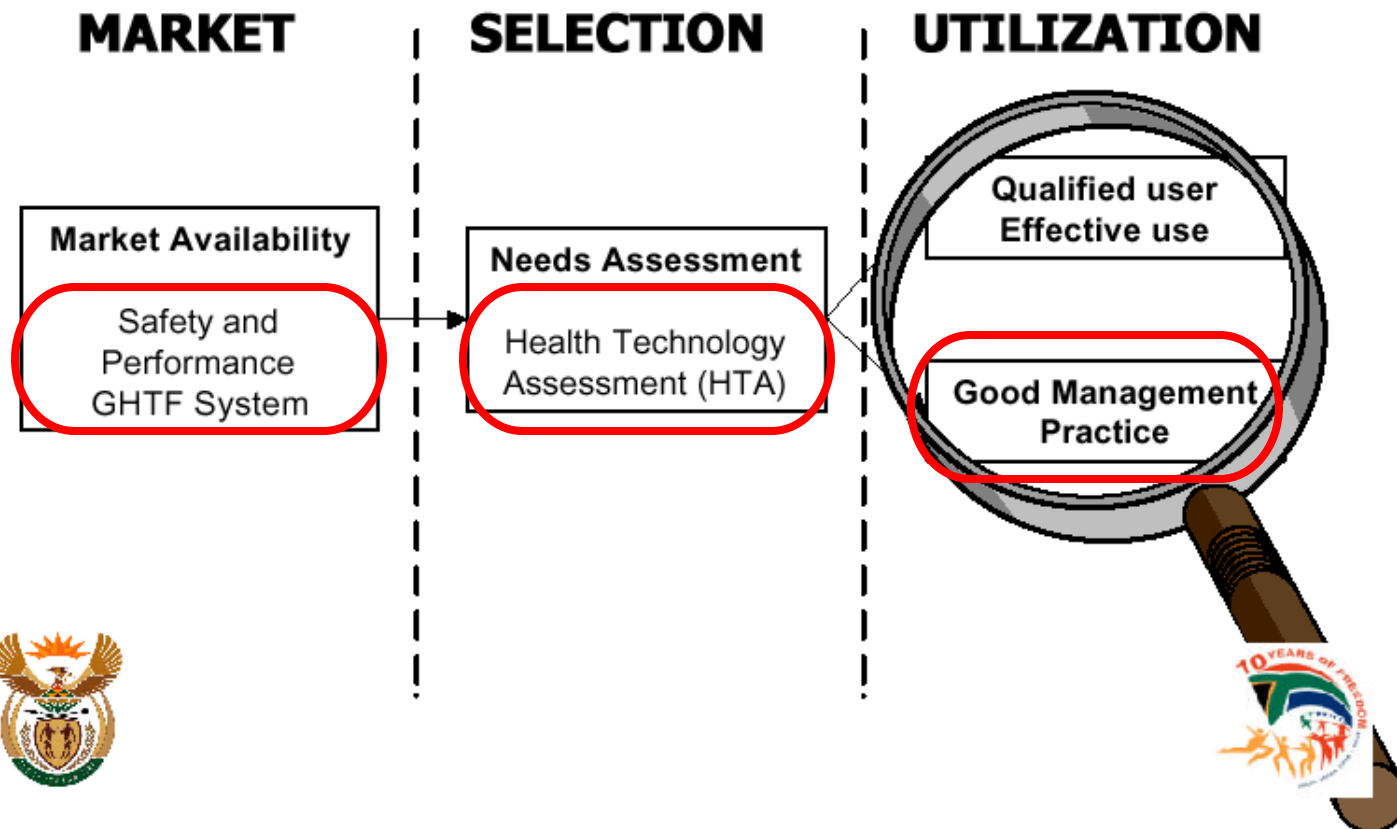
# **The Voice For CE in S. Africa....**

**What are we involved in with DOH & Related National Forums ?**

- **DOH Health Policy Framework Realisation**
- **DOH Impending Regulation**
- **How does this all involve us?**

- **Outline National Policy - Slide courtesy Nonkonzo Molai - DOH**
- **All Stakeholders in the Healthcare Industry are involved**

## Proposed Framework



- **Who are the Stakeholders in S. Africa?**
- **Snapshot from <http://www.sahealthinfo.org/hta>**

Stakeholder group	Organisation	Representative	Alternate contact
Private Healthcare Funders	BHF	Dr Penny Tlhabi	Dr Sally Velzeboer
Engineering Practitioners	CEASA	Rob Dickinson	Riaan van der Watt
Healthcare Practitioners	DENOSA	Nelouise Geyer	Michelle Bester
Government	DOH	Nonkonzo Molai	
Government Hospitals	DOH Hospitals	Dr Jabu Dlamini	
Private Hospitals	HASA	Riaan van der Watt	Mark Bishop
Research and Education	MRC and UCT HTM	Lyn Hanmer	Mladen Poluta
Public/Consumers	REACH	Nusreen Khan	
Healthcare Practitioners	SAMA	Dr Johann van Zyl	Dr Louis Kruger
Private Industry - technology suppliers	SAMED	Mark Brand	Owen Hooker
Standards Organisations	STANSA	Cecilia Woker	Mariana Marneweck

**Module managers:**

Ms Lyn Hanmer  
and  
Mr Rob Dickinson

**Supported by:**

SA Dept of Health



Technical enquiries:  
Webmaster

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- **Outline National Policy - Slide courtesy Nonkonzo Molai - DOH**
- **All Stakeholders in the Healthcare Industry are involved**

## Three Levels of Medical Device Regulations

Level of regulation	Criteria	Focus	Competent Authorities
First level	Could adopt Global Harmonization Task Force criteria (GHTF)	Safety and performance Rule-based risk classification Quality systems based on ISO13485 Post-market surveillance	National
Second level	Needs assessment Health policies H.T. Assessment	Cost-effectiveness/benefit Socio, cultural, political considerations Alternative care. Other considerations	Regional Sectorial Institutional
Third level	Good Management Practice (GMtP)	Essential elements of good management of medical equipment/devices (including users training and maintenance)	National Institutional Professional



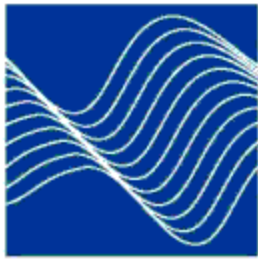
- **Outline GMtP - Slide courtesy Nonkonzo Molai - DOH**
- **How most CE Practitioners will become involved**

## Essential Elements for Good Management Practice

Life cycle elements of medical equipment:

1. Planning
2. Acquisition
3. Delivery, Incoming inspection
4. Inventory and documentation
5. Installation, commissioning and acceptance
6. Training of users
7. Monitoring of use and performance
8. Maintenance
9. Replacement or disposal (decommissioning)





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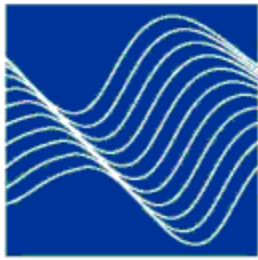


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# **The Voice For CE in S. Africa....**

**What is the best way forward for individual CEASA Members ?**

- **Support CEASA in all its endeavours, it's your Association !**
- **Consolidate your COMPETENCE in your chosen CE field**
- **Begin now !**
- **Polish up on your PROFESSIONALISM**
- **Begin now !**
- **Stand up and register yourself with ECSA**
- **Become officially recognised as a CE PROFESSIONAL**



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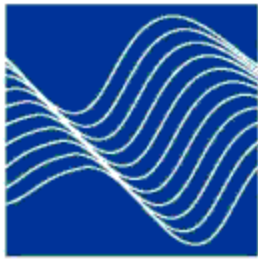


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# **The Voice For CE in S. Africa....**

## **In Summary**

- **Collectively we are already making a huge difference towards the recognition of Clinical Engineering in S. Africa, let's keep the Impetus up and raise the bar still further**
- **Ask not what your Association can do for you rather ask yourself what you can do for CEASA**
- **Believe it or not, the world is watching our progress and we may well become the model for the rest of the world to adopt**



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**Thank You....**