

No. 1420

10 December 2004



Established in terms of Act 58 of 1995

### SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 06, Manufacturing, Engineering and Technology, invites public comment with respect to ***the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups*** listed as SGB applicants below.

In addition, the **NSB** invite submissions from interested parties wishing to serve on such an **SGB**. Interested parties should take note of the section on SGB Information below.

**All** nominations/ applications should be accompanied by curricula vitae.

More information regarding this application may be obtained on the **SAQA** website or from the **SAQA offices**.

Comment should reach the NSB at the address below by not later than **16 January 2005**. All correspondence should be marked **SGB** for Engineering and be addressed to:

The Director: Standards Setting and  
Development  
**SAQA**  
**Attention: Mr. D Mphuthing**  
Postnet Suite 248  
Private Bag **X06**  
Waterkloof  
0145  
or faxed to 012 - 431-5144  
e-mail: [dmphuthing@saga.co.za](mailto:dmphuthing@saga.co.za)

### SGB INFORMATION

As a necessary step in the development and implementation of the National Qualifications Framework, The National Standards Bodies are briefed [regulation 19(1)(c) of 28 March 1998] to recognise or establish Standards Generating Bodies (SGBs).

SGBs shall:

- a. generate standards and qualifications in accordance with the Authority requirements in identified sub-fields and levels;
- b. update and review standards;
- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies: and

- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, ***'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'***

Organisations proposing to nominate persons to SGBs should be sensitive to the need for ***equity*** and ***redress***, and shall nominate persons ***who-***

- (a) will be able to consider issues of productivity, fairness, public interest and international comparability as related to education and training in the sub-field;
  - (b) enjoy credibility in the sub-field in question, who enjoy respect; have the necessary expertise and experience in the sub-field and have the support or backing of the nominating body;
  - (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
  - (d) are able to exercise critical judgement at a high level; and
  - (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.
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**NOTICE BY NSB 06, MANUFACTURING, ENGINEERING AND TECHNOLOGY TO RE-REGISTER  
THE STANDARDS GENERATING BODY FOR ENGINEERING**

NSB 06 wish to re-register the SGB for Engineering for a period of three years, from 10 December 2004 until 10 December 2007.

**PROPOSED BRIEF OF THE SGB**

1. Develop learning pathways for potential qualifications and standards across the three subfields of the organising field 06, from Level 4 through to Level 8 in Engineering **[Regulation 24(1)(e)]**.
2. Generate the following qualifications and standards in accordance with Authority requirements, at NQF levels 4 to 8: **[Regulation 24(1)(a)]**.

These would cover the following qualifications for engineering practitioners across the different disciplines:

- National Certificates in Engineering (levels 4 - 8)
- National Diplomas in Engineering (levels 6 - 8)
- National Degrees in Engineering (level 7-8)
- Masters Degrees in Engineering (level 8)

Including the following generic qualifications:

- Bachelors Degree in Engineering (BSc(Eng), BEng, BIng), NQF Level 7
- Bachelors Degree in Engineering Technology (B Tech), NQF Level 7
- National Diploma in Engineering (NDip), NQF Level 6
- National Diploma in Engineering, NQF level 5

Including the following specific qualifications:

- Certificate in Metrology, NQF level 5
- Certificate in Lift Inspection, NQF Level 5
- Certificate in Forensic Engineering, NQF Levels 5-7
- Certificate in Value Engineering, NQF Level 5
- Certificate in Clinical Engineering, NQF Level 5
- Certificates in Non Destructive Testing, NQF levels 3-5

3. Recommend the qualifications and standards generated under 2 above to the National Standards Body **[Regulation 24(1)(a)]**.
4. Recommend criteria for the registration of assessors and moderators or moderating bodies **[Regulation 24(1)(d)]**.
5. Review these qualifications and unit standards and effect the necessary changes **[Regulation 24(1)(b)]**.
6. Maintain liaison, during the process of developing standards and qualifications, with other related Standards Generating Bodies as and when directed by NSB 06 **[Regulation 24(1)(e)]**.

## COMPOSITION OF THE SGB

Nominee	Workplace	Nominating Body	Experience/Qualifications
<b>T Bleeker</b>	INGWE Mine	South African Mine Professional Association	BEng (Mining); <b>19</b> years experience in mining engineering.
<b>Du Toit Grobler</b>	South African Pulp and Paper Industry	The Institution of Certificated Mechanical and Electrical Engineers of SA (ICMEESA)	BSc (Eng)(Elec); <b>31</b> years experience in electrical and mechanical engineering.
<b>DJ van Niekerk</b>	Siyazi Consultants	South African Institute of Mining and Metallurgy (SAIMM)	M Eng (Mining); <b>35</b> years experience in mining engineering.
<b>R Reinecke</b>	Consultant	South African Institute for Industrial Engineering (SAIIE)	D.(B&A); <b>46</b> years experience in consulting engineering including <b>21</b> years in education and training.
<b>TE Stidworthy</b>	Consultant	Institute of Professional Engineering Technologists (IPET)	NDip (Eng); <b>45</b> years experience in electrical engineering.
<b>JJ de Koker</b>	Spoomet	Institute of Professional Engineering Technologists (IPET)	Masters Diploma in Technology; <b>33</b> years experience in civil engineering.
<b>W Nel</b>	The Chamber of Engineering Technology	The Chamber of Engineering Technology (CET)	NDip (Eng); <b>43</b> years experience in broadcasting technology.
<b>P Moncur</b>	The Chamber of Engineering Technology	The Chamber of Engineering Technology (CET)	NDip (Eng); <b>39</b> years experience in mechanical engineering.
<b>M Barley</b>	Schindler Lifts	Engineering Technicians (Lifts)	NTC3, <b>36</b> years experience in lift mechanics including <b>4</b> as national training officer
<b>S Sidney</b>	National Laboratory Association	National Laboratory Association – Metrology (NLA)	HNMT4; <b>23</b> years commercial experience in the technology sector.
<b>N Beute</b>	Cape Technikon	Committee of Technikon Principals (CTP)	PhD; <b>41</b> years experience in electrical engineering including <b>31</b> in education and training; Dean of Engineering; Professor of Electrical Engineering.

FAO Otieno	Tshwane University of Technology	Committee of Technikon Principals (CTP)	PhD, MBA 23 years in consulting engineering Dean of Engineering; Professor of Civil Engineering.
PL de Vaal	University of Pretoria	SA University Vice-Chancellors Association (SAUVCA)	PhD; <b>27</b> years experience in chemical engineering; Head: Department of Chemical Engineering; Professor of Chemical Engineering.
B Lacquet	University of the Witwatersrand (WITS)	South African Institute of Electrical Engineers (SAIEE)	D. Ing; <b>25</b> years experience in research and tertiary education; Professor of Electrical and Electronic Engineering.
L Beech	Northlink College	Committee of College Principals Organisation (SACPO)	NTC3; NHD; B Ed; 23 years experience in further education and training.
JC Pretorius	Rand Afrikaans University (RAU)	SA University Vice-Chancellors Association (SAUVCA)	D. Ing; <b>23</b> years experience in electrical and electronic engineering. Professor of Electrical and Electronic engineering.
L Maqgabi	Chemical Industries Education and Training Authority (CHIETA)	Chemical Industries Education and Training Authority (CHIETA)	BSc; <b>11</b> years experience in mechanical engineering.
G King	ESKOM	ESKOM	Nat N Dip; B Ed; <b>7</b> years experience in engineering; <b>18</b> years in further education training and HR.
G Brokenshire	Anglogold	Mining Qualifications Authority (MQA)	BSc (Eng); 33 years experience in electrical engineering including nine in the training field.
J Malatse	Department of Labour (DoL)	Department of Labour (DoL)	M Phil; <b>16</b> years experience in electrical engineering including <b>2</b> in education and training field; Director at DoL.
L van Rensburg	Department of Transport (DoT)	Department of Transport (DoT)	BSc (Eng); <b>33</b> years experience in engineering at <b>middle</b> and senior management level, including mentoring and <b>HR</b> .