SOUTH AFRICAN QUALIFICATIONS AUTHORITY
SUID-AFRIKAANSE KWALIFIKASIE-OWERHEID

No. 768 **24 August 2001**

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 10 (Physical, Mathematical, Computer and Life Sciences) 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 an SGB applicant below.

In addition, the NSB invites 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 not later than Monday, **17 September 2001.** All correspondence should be marked ***SGB Formation,*** NSB 10, Physical, Mathematical, Computer and Life Sciences and be addressed to:

The Director: Standard Setting and Development
SAQA
Attention: Mr. D Mphuthing
Postnet Suite 248
Private Bag X06
Waterkloof
0145
or faxed to (012)482-0907

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 its 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 SGB.*

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.

PUBLIC NOTICE BY NSB 10, PHYSICAL, MATHEMATICAL, COMPUTER AND LIFE SCIENCES, TO RECOGNISE A STANDARDS GENERATING BODY FOR RADIATION PROTECTION FROM NQF LEVELS 2 TO 8

National Standards Body (NSB) 10 - Physical, Mathematical, Computer and Life Sciences - wishes to recognise a Radiation Protection SGB in the sub-field from NQF levels 2 - 8.

The SGB will develop appropriate and specific unit standards and qualifications to Radiation Protection with regard to the following roles: Radiation Protection Specialists, Radiation Protection Officers Level I, Radiation Protection Officers Level II and Radiation Protection Officers Level III.

Fields covered would range, as required and at appropriate levels, through basic radioactivity and radiation physics, biological effects of radiation, radiation risks, radiation protection principles, radiation protection units, the measurement and monitoring of radioactivity and radiation, nuclear regulation, radiological standards, dose assessments, the design, implementation and execution of radiation protection programmes, environmental impact assessments, environmental monitoring and surveillance, and radioactive waste management.

PROPOSED BRIEF OF THE SGB

1. Review existing qualifications that have been developed in the sub-field to identify the core competencies embedded within them *[Regulation 24(1)(a)]*.

2. Design learning pathways for the roles and specialisation described above within the field of Radiation Protection *[Regulation 24(1)(e)]*.

3. Generate the following unit standards and qualifications for Radiation Protection at Levels 2 - 8 with reference to the roles and specialisation described above in accordance with the Authority requirements *[Regulation 24(1)(a)]*.

   - Unit standards for a Certificate at levels 2, 3 and 4
   - Unit Standards for a National Certificate at level 5
   - Unit Standards for a National Diploma at level 6
   - Unit Standards for a BSc degree at level 6
   - Unit Standards for a professional degree (BSc Hons/BTech) at level 7
   - Qualifications for a Masters degree at level 8
   - Qualifications for a Doctorate degree at level 8.

4. Recommend the standards and qualifications under 3 above to the National Standards Body *[Regulation 24(1)(d)*.

5. Recommend criteria for the registration of assessors and moderators or moderating bodies *[Regulation 24(1)(d)]*.

6. Perform such other tasks as may from time to time be assigned by the NSB *[Regulation 24(e)(1)]*.

7. The SGB will operate in field 10 and would liase closely with other relevant SGB's in the field as well as other organised fields.

PROPOSED COMPOSITION OF THE SGB

Nominee	Nominated by	Workplace	Experience and Qualifications in the Field
Beeslaar F	South African Bureau of Standards (SABS)	SABS	External Personnel Dosimetry Specialist Registered Medical Physicist BSc Hons (Physics)
Coetzee JJ	Koeberg Nuclear Power Station	Koeberg Nuclear Power Station	Radiation Protection Officer Level 1 Head: Radiation Protection Training
De Beer GP	Radiation Protection Accreditation Board (RPAB)	South African Nuclear Energy Corporation (NECSA)	Radiation Protection Specialist Chairman: RPAB DSc (Physics) Pr Sci Nat
De Clerq A	RPAB	Professional Consultant	Qualified Medical Physicist Radiation Protection Specialist M.Sc Medical Sciences (Physics), H.E.D
De Take V	Department of Minerals and Energy (DME)	Chief Inspector of Mines, DME	Senior Inspector of Mines (Radiation) COM Cert. in Mine Environmental Control COM. RPO Certificate
Du Plessis A	Gold Fields Ltd	Gold Fields Ltd	Section Ventilation Officer: Gold Fields Ex Radiation Protection Officer Member: SGB for Ventilation
Fitzsimons P	Radpro	Radpro	Managing Director, Radpro General Manager, NUFCOR BSc (Hons) (Applied Physics) Diploma in Operations and Ind. Management MBA
Leuschner AH	Southern African Radiation Protection Association (SARPA)	Goldfields Ltd	Radiation Protection Specialist Senior Consultant: Environment & Radiation Ph.D (Physics) MBL
Lynch J	SARPA	Goldfields Ltd	12 Years Mining radiation protection experience B.A. Hons
Maree M	Koeberg Nuclear Power Station	Koeberg Nuclear Power Station	Eskom Radiation Protection Custodian
Mostert J	Council for Scientific and Industrial Research (CSIR)	NML, CSIR	Metrologist: Ionising Radiation PhD (Physics)
Nam T	Schonland Research Centre of University of the Witwatersrand	Schonland Research Centre	Director, Health Physics Service Technical Co-Director, IAEA-Wits Centre for Radiation Protection Associate Professor PhD Pr. Eng

Olivier JHI	Department of Health: Radiation Control Directorate	Department of Health: Radiation Control Directorate	Radiation Protection Specialist Member: RPAB MSc (Physics) Pr Sci Nat
Schoeman J	Industrial Hygiene Association	Nershco	More than 20 years in field of Occupational Hygiene
Slabbert J	Industry Forum for Radiation	Namakwa Sands Ltd	Radiation Protection Specialist/ Environmental Manager Namakwa Sands –A Div. Of AOL
Steenkamp HC	NECSA	NECSA	Radiation Protection Specialist Ex secretary RPAB Hons B.Sc (Radiation Physics) Pr Sci. Nat
Steenkamp JA	Eskom	Eskom	Eskom HRD Advisor
Tsela A	National Nuclear Regulator (NNR)	NNR	Radiation Protection Specialist PhD (Physics)
Van der Woude S	NNR	NNR	Radiation Protection Specialist Founding Chairperson: Southern African Radiation Protection Association (SARPA) M.Sc (Radiation Physics)
Van Rooyen TJ	National Accelerator Centre (NAC)	NAC	Radiation Protection Specialist Head: RP Division: NAC M.Sc (Nuclear Reactor Science) Pr Sci Nat