



**SOUTH AFRICAN  
GEOMATICS COUNCIL**

Established i/o Act 19 of 2013

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**REGISTRATION OF  
*MINE SURVEYORS*  
*MINE SURVEY TECHNICIANS*  
&  
*CANDIDATES***

## **NOTES FOR GUIDANCE**

1. These notes which have been approved by The South African Council for Professional and Technical Surveyors, now replaced by the South African Geomatics Council in terms of Act 19 of 2013, have been compiled with a view to assisting applicants for registration as technical surveyors in terms of Section 13 of the Geomatics Profession Act, 19 of 2013. Adherence to the requirements as set out below will assist materially in avoiding unnecessary delays.
2. **Statutory Requirements.**
  - 2.1. A candidate who wishes to register as a **Mine Survey Technician** or **Mine Surveyor** must normally first register as a Candidate, but may after obtaining a diploma or degree in mine surveying at a South African university or its equivalent as certified by the South African Geomatics Council, apply for registration as a Mine Survey Technician or Mine surveyor if he has complied with the requirements of Section 13 of the Act.
  - 2.2. A candidate who wishes to qualify for registration as a **Mine Survey Technician** and who will be entitled to carry on his calling under the personal supervision of a Professional Mine Surveyor, or other suitably qualified person, shall undergo the practical training as set out in paragraph 3 below and successfully complete a trial survey or practical test set by the council.
  - 2.3. A candidate who wishes to qualify for registration as a Mine Surveyor and who will be entitled to carry on his calling, shall undergo the training as set out in paragraph 4 below and successfully complete a trial survey or practical test set by the council.
3. **Training for registration as a Mine Survey Technician.**
  - 3.1 **Period of Training**

The period of practical training required is 240 working days and the nature of such training shall be as set out in paragraph 3.2 and will be controlled by the council. This training must be certified by a mine surveyor or professional mine surveyor.
  - 3.2 **Nature of Training**
    - 3.2.1 Training must be varied and be undertaken under the personal supervision of a Professional Mine Surveyor or Mine Surveyor registered in terms of the Act, or such other person whom the council considers suitable.
    - 3.2.2 **Compulsory Training**

80 working days in basic mine survey and valuation.
    - 3.2.3 **Additional Training**

160 working days in the following aspects of mine survey, but not less than 10 days in any one of the options:-

      - (a) Stope and development sampling
      - (b) Basic valuation
      - (c) Stope and development surveying
      - (d) Stope and development measuring

(e) Basic surface surveying

3.2.4 (a) The number of working days quoted in paragraph 3.2.2 and 3.2.3 includes both office and field work.

(b) The ratio of office to field work should be of the order of 1.2 and should include calculations, draughting and normal administration operations.

(c) A detailed day to day diary of all practical work undertaken during the training period shall be kept and may be called for by the council in cases of doubt.

(d) Experience must include adequate training in the various fields of mine survey.

#### **4. Training in the form of practical experience for registration as a Mine Surveyor.**

4.1 The period of training in the form of practical experience as prescribed is 3 years after the attainment of the diploma at a university and the nature of such training and experience shall be as set out in paragraph 4.2 and shall be controlled by the Council.

4.2 In addition to all aspects required for Mine Survey Technician registration, training should encompass:

- (a) Shaft surveys
- (b) Engineering survey
- (c) Advanced surface survey
- (d) Advanced valuation
- (e) Grade control

#### **5. Schedule of Training and/or Experience for candidates wishing to qualify as Mine Survey Technicians and Mine Surveyors.**

When applying to the council for authority to carry out a trial survey or practical test, the candidate shall supply a Training and/or Experience Schedule as an extract from the diary and prepared in the form of the attached specimens (SCH MS and SCH MST). The schedule must be compiled in chronological order and each page must be signed by the supervisor with whom the candidate has trained and by the candidate.

#### **6. Application for Trial Survey or Practical Test for candidates wishing to qualify as Mine Survey Technicians and Mine Surveyors.**

When the candidate is of the opinion that he has met the requirements set out in paragraphs 3 or 4, he may apply to the council to perform a trial survey or practical test (see attached form TS)

The application must be accompanied by the following where applicable:-

- (a) An application form
- (b) The schedule of training and/or experience referred to in paragraph 5.
- (c) A certificate of employment (see attached form 7(1)(c))
- (d) A certified copy of the applicant's degree, diploma, school certificate and other certificate of equivalence.

- (e) A certified copy of the Government Mine Surveyors Certificate of Competency.

A separate certificate of employment is required in respect of each supervisor with whom the candidate has served.

"Certified" means certified to be a true copy by a Commissioner of Oaths or Justice of the Peace.

After approving the training schedule the council will advise the candidate to arrange for suitable dates for a trial survey or practical test at a venue determined by the council.

## **7. Details of Trial Survey or Practical Tests.**

- 7.1 For candidates who wish to register as Mine Survey Technicians.

### **7.1.1. Nature**

The trial survey or practical test will consist of mine survey and mine valuation.

### **7.1.2. Report**

A full report dealing with all the aspects of the test and other relevant information must be submitted.

### **7.1.3. Examination**

It may be required of the candidate to undergo an oral and/or written examination on aspects of the practical test and/or any other practical experience.

### **7.1.4. General**

The average candidate will probably need from one to three months for completing the trial survey or practical test. Continuity of the work is essential, and a break will only be condoned in exceptional circumstances caused by factors beyond the control of the candidate.

Examination will take place immediately on completion of the work and the candidate may not leave until he has satisfied all the requirements of the examiner. The examiners will forward their recommendation to the council in regard to the acceptance, or otherwise, of the practical test and the latter will then advise the candidate of its decision.

Any work undertaken by the candidate during his period of training in the form of practical experience, which might demonstrate his ability to perform some or all of the tasks as set out in paragraph 7.1.1. may be submitted to the council.

- 7.2 For candidates who wish to register as Mine Surveyor in the register provided for by Section 13 of Act 19 of 2013.

## 8. SAGC Law Examinations

Candidates will write two papers of which the details appear on the SAGC website. Both papers will be written consecutively on the same day with a half hour break in between.

09:00 – 11:30      Geomatics Profession Act, Code of Conduct & Draft Regulations –  
Paper A (2½ hour Open book format)

12:00 – 15:00      Mine Surveyors Legislation - Paper E (3 hour Closed book format)

N.B.      Most of the relevant legislation can be down-loaded from the following websites:

[www.sagc.org.za](http://www.sagc.org.za)

[www.polity.org.za/govdocs/legislation](http://www.polity.org.za/govdocs/legislation)

## 9. Registration

Once a candidate has complied with all the requirements for practical training, trial survey and passed the Law exam, he/she may apply to the Registrar for registration in the appropriate division of the register. The Registrar will request him/her to make an oath or affirmation in relation to his calling. He will also be required to apply for registration on the prescribed application form and to pay the registration fees. When these formalities have been completed the candidate will be registered as a Mine Surveyor or Mine Survey Technician, as the case may be, with the South African Geomatics Council.

*April 2019*

**CERTIFICATE OF EMPLOYMENT**

I, .....a Professional Mine Surveyor / Mine Surveyor\*

practising in ..... do hereby certify that .....

has been engaged in practical work under my personal supervision for the following periods and

performing practical work in the following categories:

Period .....	Category*
.....	.....
.....	.....
.....	.....
.....	.....

particulars of which in regard to the time and nature of the work, are annexed (#)

Dated at ..... on the ..... day of .....

Signed .....  
Professional Mine Surveyor / Mine Surveyor\*

- \* For Mine Survey Technician  
Stope and development sampling  
Basic Valuation  
Stope and development surveying  
Stope and development measuring  
Basic Surface Surveying

- \* For Mine Surveyor  
Shaft Survey  
Engineering Survey  
Advanced Surface Survey  
Advanced Valuation  
Grade Control

# This certificate shall be supported by an annexure in the form of a schedule (SCH MS or SCH MST) signed by the Professional Mine Surveyor / Mine Surveyor and the candidate, in which detailed particulars of all practical work are entered.

\*Delete whichever is not applicable.

**To be completed by Employer / Supervisor**

**CONFIRMATION OF EMPLOYMENT**

(Applicant) Full name:.....

Registration Number: ..... (If applicable)

Name of Employer: .....

Your job description: .....

Name and Registration number of the Registered person responsible for your training:

.....Registration No.....

Street Address of your usual place of work: .....  
.....

Postal Address: .....  
..... Code .....

**Contact details, (normal working hours.)**

Telephone: ..... Fax: .....

Cell phone: ..... Email: .....

(Applicant) I, ..... hereby confirm that the above information is correct and that I am in the full time employment of the employer as described above.

Signature:.....

**DECLARATION BY SUPERVISOR / EMPLOYER**

I, .....Registration number..... hereby confirm that

..... is employed as described above and that he works under my supervision as required in terms of the Act.

Signature: .....

TRAINING SCHEDULE IN THE FORM OF PRACTICAL EXPERIENCE FOR REGISTRATION AS MINE SURVEYOR / MINE SURVEY TECHNICIAN

NAME : .....

PAGE NUMBER ..... OF .....PAGES

DATE	TASK DESCRIPTION					OTHER (Specify)	SIGNATURE
	Brought Forward						
	TOTALS						

SIGNED; CANDIDATE \_\_\_\_\_

SUPERVISOR \_\_\_\_\_

(For additional copies required, please photostat)

**ALTERNATIVELY A COMPLETED COPY OF YOUR "RECORD OF SERVICE FOR EMPLOYEES ON MINES" CAN BE ATTACHED.**

*MS,MST,MSTT Notes for Guidance.*