



## SOUTH AFRICAN COUNCIL FOR PROFESSIONAL AND TECHNICAL SURVEYORS

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### TO PERSONS WHO HAVE APPLIED TO REGISTER IN THE MINE SURVEYING CATEGORY

Your application for registration refers.

The requirements to register as a Mine Survey Technician is a National Diploma in mine survey. Once you have obtained a government mines certificate of competency you can apply to upgrade to Mine Surveyor.

As there is presently no degree available in mine surveying or mineral resources management the Council agreed that the requirements to register as a Professional Mine Surveyor is a National Higher Diploma in Mineral Resources Management, plus a government mines certificate of competency plus either a GDE or the applicant must have been appointed in terms of section 2:12:1 for a period of five years.

To register as either a Mine Surveyor or Professional Mine Surveyor candidates are required to write a law examination based on this Council's Act and Rules.

If you hold a national diploma / national higher diploma but have not yet completed your certificate of competency you may register as a Mine Survey Technician and apply to upgrade once you obtained your certificate.

An **application fee** for prospective Mine Survey Technicians or Mine Surveyors has been established to cover the cost of examinations, interviews and scrutinising. The fee will not be refundable in the case of a failed application. **This fee must be included with your application.**

For current fee pricing see the PLATO website – Registration – Council Fees or <http://www.plato.org.za/4regcouncilfees.php>

- Cost for Professional Mine Surveyors . see Council Fees Code 29
- Cost for Mine Surveyors/Technologists . see Council Fees Code 32
- Cost for Mine Survey Technicians . see Council Fees Code 32

If you so wish the money can be paid directly into our bank account :-

ABSA Bank - Alberton Branch Branch Code - 631142 Current Account  
Bank A/c Number - 210-168-583  
Bank A/c Name - SA Council for Surveyors

J E VERMAAK (Mrs)  
REGISTRAR

REGISTRATION OF  
**MINE SURVEYORS**  
**MINE SURVEY TECHNICIANS**  
&  
**MINE SURVEY TECHNICIANS IN TRAINING**

**NOTES FOR GUIDANCE**

1. These notes which have been approved by The South African Council for Professional and Technical Surveyors, have been compiled with a view to assisting applicants for registration as technical surveyors in terms of the Professional and Technical Surveyors Act, 1984. 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** must normally first register in terms of Section 23(1) of the Act as a Mine Survey Technician-In-Training, but may after obtaining a diploma in mine surveying at a South African Technikon or its equivalent as certified by the South African Council for Professional and Technical Surveyors, apply for registration as a Mine Survey Technician if he has complied with the requirements of Section 22(1)(b)(ii)(iii) and (iv) of the Act.
  - 2.2. A candidate who wishes to register as a **Mine Surveyor** must normally first register in terms of Section 22(1)(b) of the Act as a Mine Survey Technician and after completing the prescribed training as set out in paragraph 4 below, may apply for registration as a Mine Surveyor if he has complied with the requirements of Section 22(1)(a)(iA), (iii) and (iv) of the Act.
  - 2.3. A candidate who wishes to qualify for registration as a **Mine Survey Technician-In-Training** 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.
  - 2.4. 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.
  - 2.5. A candidate who has not obtained a diploma at a Technikon or a qualification recognised as equivalent and who wishes to qualify for registration as a Mine Surveyor or Mine Survey Technician in terms of Section 22(3)(b)(i) or (ii) of the Act, must, in addition to the requirements of paragraph 2.6, submit certified copies of his membership of the Institute of Mine Surveyors and/or his highest educational qualification.

- 2.6. A candidate who wishes to qualify for registration as a Mine Survey Technician or Mine Surveyor, as the case may be, and who has, prior to the commencement of the Professional and Technical Surveyors' Amendment Act 1993, undergone training in the form of practical experience contemplated in paragraphs 3 or 4 below respectively, must submit an application to the Council in terms of paragraph 6 below. Where it is not possible to obtain certificates of employment or to submit exact schedules of training and experience, an affidavit detailing all such training and experience, substantiated by proof, may be acceptable.
- 2.7. A candidate who wishes to carry on his calling as a Mine Survey Technician without supervision, as provided for in the proviso to Section 22(4)(b)(ii) of the Act, must in addition to being in possession of a Certificate of Competency and fulfilling the requirements of paragraph 2.6 submit proof that he has, unsupervised, performed practical work of a sufficient variety and nature for a further period of at least 3 years after having first complied with the requirements for registration as a Mine Survey Technician in terms of Section 22(1)(b) or Section 22(3)(b)(ii) of the Act.

**3. Training for registration as a Mine Survey Technician in the register provided for by Section 7(4)(b) of Act Number 40 of 1984.**

**3.1 Period of Training**

The period of practical training required in terms of Rule 8(4)(c) 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. The candidate's attention is directed to the requirements of Rule 8(4)(c) in respect of a training certificate. For a diploma issued by a Technikon after 31 December 1984 such Technikon will issue a certificate in respect of the training, provided the candidate is registered as a Mine Survey Technician-In-Training. Where a diploma was issued prior to 1 January 1985, a Professional Mine Surveyor, or Mine Surveyor registered in terms of the Act, or such other person whom the council considers suitable must certify that the applicant has received suitable training under his supervision.

**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 a Mine Survey Technician registered as such for at least three years 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.
- 3.3 Where training in the form of practical experience has been undertaken prior to the commencement of the Professional and Technical Surveyors' Amendment Act 1993, the provisions of paragraph 3.1 and 3.2 shall be used to assess either:-
- (a) The practical work performed in terms of Section 22(1)(b)(ii) of the Act by a candidate whose diploma or equivalent qualification has been recognised; or
  - (b) The variety, nature and standard of practical work performed in terms of Section 22(3)(b)(ii) of the Act by a candidate who is not in possession of a diploma or an equivalent qualification.

**4. Training in the form of practical experience for registration as a Mine Surveyor in the register provided for by Section 7(4)(b) of Act Number 40 of 1984.**

- 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 Technikon 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
- 4.3 When training in the form of practical experience has been undertaken prior to the commencement of the Amendment Act 1993, the provision of paragraph 4.2 shall not necessarily apply but shall be used to assess either:-
- (a) The practical work performed in terms of Section 22(1)(a)(ii) of the Act by a candidate who has completed more than 3 years of training in the form of practical experience and whose diploma or equivalent qualification has been recognised; or
  - (b) The variety, nature and standard of the experience gained in practical work in terms of Section 22(3)(b)(i) of the Act by a candidate who is not in possession of a diploma or an equivalent qualification.

**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 as prescribed in Rule 8(4)(d) which refers to Rule 7(1)(c) (see attached form 7(1)(c))
- (d) A certified copy of the applicants degree, diploma, school certificate and other certificate of equivalence.
- (e) A certified copy of the Government Mine Surveyors Certificate of Competency.
- (f) A certified copy of your I.D. or birth certificate.
- (g) Relevant Application fee as stated in the covering letter.

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 in the register provided for by Section 7(4)(b) of Act Number 40 of 1984.

**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 7(4)(b) of Act Number 40 of 1984.

## **7. Registration**

On the acceptance of the trial survey, the Registrar and the candidate will be notified that the candidate complies with either the requirements of Section 22(1)(a)(i),(iA),(ii) and (iii); Section 22(1)(b)(i),(ii) and (iii); Section 22(3)(b)(i) or Section 22(3)(b)(ii) of Act 40 of 1984 and that he/she may apply to the Registrar for registration in the appropriate division of the register. The Registrar will request him/her to make (in terms of Section 22(1)(a)(iv) or Section 22(1)(b)(iv) of the Act, 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 Council for Professional and Technical Surveyors.

August 1995

**APPLICATION FOR REGISTRATION AS MINE SURVEYOR  
IN TERMS OF SECTION 22(1)(a) OF  
THE PROFESSIONAL AND TECHNICAL SURVEYORS' ACT (ACT 40 OF 1984)**

**PERSONAL INFORMATION.**

Full Name(s) of Applicant : .....

Registered (Physical) address : .....

.....

Postal address : .....

.....

Telephone (W) ; ..... Fax ; .....

Cell ..... e-mail .....

Date of Birth ..... Identity Number ♦ .....

Current employer and their physical address : .....

.....

Present position (date appointed) : .....

♦ Certificate of Competency (Number and Date) : .....

♦ Other certificate, diploma, degree or equivalent (Number and Date) : .....

.....

.....

Total Mine Survey / Mine valuation experience :

Type of Survey /Mine Valuation	Period 19..... to 20..... = .....% of experience
Other (Specify)	

Signature of Applicant : \_\_\_\_\_ Date : \_\_\_\_\_

**\* Certified copies of Birth Certificate/Identity document & diplomas/certificates to be attached.**

**APPLICATION FOR REGISTRATION AS MINE SURVEYOR  
IN TERMS OF SECTION 22(1)(a) OF THE PROFESSIONAL AND TECHNICAL SURVEYORS'  
ACT (ACT 40 OF 1984)**

**The Registrar  
The South African Council for Professional and Technical Surveyors**

I the undersigned, (Full Names) .....

of (Address) .....

.....

hereby apply for registration as a Mine Surveyor.

I swear/make affirmation\* and declare that the contents of this application, as presented by this form and the accompanying **Form MS 1**, are true, and further :

- (a) That I am the person mentioned in the accompanying letter and on the certified copies of qualifications which I wish to be entered in the Register and which are hereby submitted in support of my application;
- (b) That I am not according to law detained as a mentally ill person;
- (c) That I have never been/have been\* convicted of an offence and sentenced in respect thereof to imprisonment without the option of a fine;
- (d) That I have been/never been\* removed from an office of trust on account of improper conduct;
- (e) That I am/am not\* insolvent and that I have/have not\* assigned my estate for the benefit of creditors, and that I have/have not\* compounded with my creditors.

.....  
Place

.....  
Date

.....  
Signature

\*Delete whichever is not applicable.



**APPLICATION FOR REGISTRATION AS MINE SURVEYOR  
IN TERMS OF SECTION 22(1)(a) OF THE PROFESSIONAL AND TECHNICAL SURVEYORS'  
ACT (ACT 40 OF 1984)**

I certify that before the deponent made the oath/affirmation\* I asked him/her\* the following questions and wrote down his/her\* answers in his/her\* presence :

- (i) Do you know and understand the contents of this declaration?  
Answer :.....
- (ii) Do you have any objection to taking the prescribed oath/making the prescribed affirmation\* ?  
Answer : .....
- (iii) Do you consider the prescribed oath/affirmation\* to be binding on your conscience?  
Answer : .....

I certify that the deponent has acknowledged that he/she\* knows and understands the contents of this declaration, which was sworn to/affirmed\* before me, and that the deponent's signature was placed thereon in my presence.

Commissioner of Oaths :.....

Designation (Rank) :.....

Date and Place :.....

\*Delete whichever is not applicable.

**APPLICATION FOR REGISTRATION AS MINE SURVEY TECHNICIAN  
IN TERMS OF SECTION 22(1)(a) OF  
THE PROFESSIONAL AND TECHNICAL SURVEYORS' ACT (ACT 40 OF 1984)**

**PERSONAL INFORMATION.**

Full Name(s) of Applicant :.....

Registered (Physical) address :.....

.....

Postal address :.....

.....

Telephone (W) ;..... Fax ;.....

Cell ..... e-mail .....

Date of Birth ..... Identity Number ♦ .....

Current employer and their physical address :.....

.....

Present position (date appointed) :.....

♦ Certificate of Competency (Number and Date) :.....

♦ Other certificate, diploma, degree or equivalent (Number and Date) :

.....

.....

.....

Total Mine Survey / Mine valuation experience :

Type of Survey /Mine Valuation	Period 19..... to 20..... = .....%
of experience	
Other (Specify)	

Signature of Applicant : \_\_\_\_\_ Date : \_\_\_\_\_

♦ **Certified copies of Birth Certificate/Identity document & diplomas/certificates to be attached.**  
MS,MST,MSTT Notes for Guidance.

APPLICATION FOR REGISTRATION AS MINE SURVEY TECHNICIAN  
IN TERMS OF SECTION 22(1)(a) OF THE PROFESSIONAL AND TECHNICAL SURVEYORS'  
ACT (ACT 40 OF 1984)

The Registrar  
The South African Council for Professional and Technical Surveyors

I the undersigned, (Full Names) .....

of (Address) .....

.....

hereby apply for registration as a Mine Survey Technician.

I swear/make affirmation\* and declare that the contents of this application, as presented by this form and the accompanying **Form MST 1**, are true, and further :

- (a) That I am the person mentioned in the accompanying letter and on the certified copies of qualifications which I wish to be entered in the Register and which are hereby submitted in support of my application;
- (b) That I am not according to law detained as a mentally ill person;
- (c) That I have never been/have been\* convicted of an offence and sentenced in respect thereof to imprisonment without the option of a fine;
- (d) That I have been/never been\* removed from an office of trust on account of improper conduct;
- (e) That I am/am not\* insolvent and that I have/have not\* assigned my estate for the benefit of creditors, and that I have/have not\* compounded with my creditors.

.....  
Place

.....  
Date

.....  
Signature

\*Delete whichever is not applicable.

**APPLICATION FOR REGISTRATION AS MINE SURVEY TECHNICIAN  
IN TERMS OF SECTION 22(1)(a) OF THE PROFESSIONAL AND TECHNICAL SURVEYORS'  
ACT (ACT 40 OF 1984)**

I certify that before the deponent made the oath/affirmation\* I asked him/her\* the following questions and wrote down his/her\* answers in his/her\* presence :

(i) Do you know and understand the contents of this declaration?

Answer : .....

(ii) Do you have any objection to taking the prescribed oath/making the prescribed affirmation\* ?

Answer : .....

(iii) Do you consider the prescribed oath/affirmation\* to be binding on your conscience?

Answer : .....

I certify that the deponent has acknowledged that he/she\* knows and understands the contents of this declaration, which was sworn to/affirmed\* before me, and that the deponent's signature was placed thereon in my presence.

Commissioner of Oaths : .....

Designation (Rank) : .....

Date and Place : .....

\*Delete whichever is not applicable.

**APPLICATION FOR TRIAL SURVEY OR PRACTICAL TEST  
IN TERMS OF SECTION 22(1)(a)(iii) and (b)(iii) OF THE PROFESSIONAL AND TECHNICAL  
SURVEYORS' ACT (ACT 40 OF 1984)**

*Candidate to qualify as MINE SURVEYOR or MINE SURVEY TECHNICIAN.*

Full Name(s) of Applicant :.....

Postal address : .....

.....

Telephone (W) ;.....Fax ;.....

Cell ;..... e-mail ; .....

Date of Birth ; ..... Identity Number ♦ .....

Present position (date appointed) :.....

Current employer and their physical address :.....

.....

**♦ Academic Qualifications :**

(g) Standard Eight or equivalent examination (Year) .....

(h) Standard Ten or equivalent examination (Year) .....

(i) Diploma and Year .....

(j) Other recognised certificate or equivalent and Year .....

(k) INSTITUTE OF MINE SURVEYORS MEMBERSHIP .....

(l) Mine Surveyors' Certificate of Competency (Yes / No) .....  
(Certified copies of certificates to be attached)

Number of Years of Practical Experience .....

Practical Experience in the following types of Mine Survey and Valuation

Type of Survey /Mine Valuation	Period 19..... to 20..... = .....% Of experience
Other (Specify)	

**♦ Certified copies of Birth Certificate/Identity document & diplomas/certificates to be attached.**

**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.



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 \_\_\_\_\_  
Full Name and Registration Number

(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.*