



Authorised Mine Surveyor's Certificate Grades 1 and 2

An Authorised Mine Surveyor's Certificate is classified as either:

- (a) Grade 1 – authorising the person to make or draw surveys or plans of underground mines and quarries; or
- (b) Grade 2 – authorising the person to make or draw surveys or plans of quarries only.

Pursuant to regulation 3.47 of the Mines Safety and Inspection Regulations 1995, applicants must submit the following documentation.

1. Grade 1 certificate – evidence of having made underground surveys under supervision and of a nature satisfactory to the Board for a period of not less than 24 months (evidence to be verified by a Grade 1 Authorised Mine Surveyor or a person whose qualifications are considered by the Board to be equivalent); or

Grade 2 certificate – evidence of having made surveys of quarry operations of a nature and under supervision satisfactory to the Board for a period of not less than 12 months (evidence to be verified by a Grade 1 or Grade 2 Authorised Mine Surveyor or a person whose qualifications are considered by the Board to be equivalent).

Written evidence of the above in the form of a professional reference must be provided and signed off by a responsible officer of the company in which the experience has been gained, and submitted under relevant company letterhead. It should include precise details of the types of duties performed and the dates associated with each.

The Board considers that experience of the following nature is satisfactory for the Grade 1 Certificate:

- (a) Primary surface control
- (b) Precise, closed surface traversing
- (c) Transfer of azimuth from surface to underground
- (d) Underground traversing (closed)
- (e) Underground traversing (open)
- (f) Stope volumetric surveys
- (g) Transfer of elevation from surface to underground, including the precise establishment of underground benchmarks
- (h) Shaft plumbing (or plumbing other vertical openings)
- (i) Set-out for decline development
- (j) Set-out for level development
- (k) Set-out for rise development
- (l) Borehole set-out
- (m) Periodic face position surveys
- (n) Survey pick up for underground openings
- (o) Calculation plotting and record keeping for the above work.

The Board considers that experience of the following nature is satisfactory for the Grade 2 Certificate:

- (a) Primary surface control
- (b) Precise, closed surface traversing
- (c) Bench and stockpile volumetric surveys
- (d) Transfer of elevation, including the precise establishment of benchmarks
- (e) Set-out for ramp development
- (f) Set-out for bench development
- (g) Blasthole and borehole set-out
- (h) Periodic face position surveys
- (i) Calculation, plotting and record keeping for the above work

The professional reference must also include a written endorsement of the applicant's suitability for registration as an Authorised Mine Surveyor. For example, "I endorse the applicant's application for registration as an Authorised Mine Surveyor in Western Australia on his / her experience and good character".

2. Evidence that the applicant is the holder of:

- (a) the degree or diploma in mine surveying technology from Curtin University Western Australian School of Mines; or
- (b) the three year diploma of mine surveying from the Department of Technical and Further Education (TAFE); or
- (c) surveying qualifications from any school of mines, university, institute of technology or technical college deemed by the Board to be equivalent to a qualification referred to in paragraph (a) or (b).

3. In the case of 2(c) only, evidence that the surveying qualifications include:

- (a) Grade 1 certificate – at least two mining units and a geology unit; or
- (b) Grade 2 certificate – at least one mining unit.

4. A character reference, which may form part of the professional reference.

Applications

The application form must be signed by the candidate and witnessed by an authorized witness for statutory declarations listed in the *Oaths, Affidavits and Statutory Declarations Act 2005*.

To obtain application forms and information sheets, and for any enquiries, please contact the Executive Officer to the Mines Survey Board (ph. 08 9358 8014; fax 08 9358 8000).