

# SCHEDULE

## GUIDELINES ON CRITERIA AND PROCEDURES

The purpose of these guidelines is to assist Members of the Engineering Technologists Mobility Forum to develop an Assessment Statement for submission to the Co-ordinating Committee. That statement should explain how the eligibility of practitioners to appear on the International Register is intended to be determined. Note that the fundamental criteria set out in the Agreement are to be considered as a package, some of them being relatively objective in nature, while others require the exercise of significant professional judgment, particularly in relation to exceptional applicants. The following guidelines represent the consensus view of the signatories on appropriate benchmarks for each of the following criteria contemplated in the Agreement:

### 1. Applicants must have -

- (1) *reached an overall level of academic achievement at the point of entry to the register in question which is substantially equivalent to that of a graduate holding an engineering technology degree/diploma/certificate accredited by an organisation holding full membership of the Sydney Accord***

Within an economy in which engineering technologists would not normally be expected to hold an engineering technology degree/diploma/certificate accredited under the Sydney Accord, practitioners may, in the context of the total assessment package, be considered to have met this standard by the point of entry to the Register when they have:

- (a) completed a structured programme of engineering education which is accredited by a signatory organisation or by an agency authorised by the signatory organisation, which is independent of the education provider, and/or
- (b) completed one or more written examinations set by an authorised body within an economy, provided that the accreditation procedures and criteria and/or the examination standards have been endorsed by all current signatories, or;
- (c) satisfactorily completed an assessment and have been certified/registered/licensed to practise as an Engineering Technologist in the Applicants own economy through competency or outcomes based assessment or any other verification mechanism, within the framework of the ETMF, that can be applied to assess the substantial equivalence of academic achievement through an alternative professional development route.

- (2) *gained a minimum of seven years practical experience since graduation***

The exact definition of practical experience will be at the discretion of the signatory organisation concerned, but the work in question should be clearly relevant to the fields of engineering technology in which the applicant claims expertise. During this initial period, the applicant should participate in a range of roles and activities appropriate to these fields

of engineering technology. However, their roles while they are in responsible charge of significant engineering work may be more focused.

**(3) *spent at least two years in responsible charge of significant engineering work***

The definition of significant engineering work will vary between disciplines. In general, the work should have required the exercise of independent engineering judgment, the projects or programs concerned should have been substantial in duration, cost, and/or complexity, and the applicant should have been personally accountable for their success or failure. Applicant may be taken to have been in responsible charge of significant engineering work when they have:

- (a) planned, designed, coordinated and executed a small project; or
- (b) undertaken part of a larger project based on an understanding of the whole project; or
- (c) undertaken novel, complex and/or multi-disciplinary work.

Note in particular that the specified period of two years may, and often will, have been completed within the course of the seven years practical experience since graduation.

**(4) *been assessed within their own economy as eligible for independent practice***

Such an assessment may be conducted by the signatory organisation, by a professional association recognised by the signatory, or by a competent authority responsible for registration, licensing or certification of engineering technologists within the relevant economy.

**(5) *maintained their continuing professional development at a satisfactory level***

The nature and extent of the required participation in continuing professional development, and the manner in which compliance is audited, will remain at the discretion of the signatory organisation concerned, but should reflect emerging norms for such participation by engineering technologists and should be appropriate to the discipline or disciplines in which the practitioner claims expertise.

**2. Applicants admitted through a process of competency and/or outcomes-based assessment**

Applicants for the International Register through this alternative route would, in addition to the time specification described above and maintaining CPD, have been assessed within their own economy as eligible for independent practice through a competency and/or outcomes based assessment acceptable to the signatories that confirms that they have developed practical skills and professional maturity not less than those implied by seven years practical experience since graduation and two years in responsible charge of significant engineering work.

A competency/outcomes-based assessment is one through which potential registrants present evidence of their professional competence against criteria set by the signatory organisation.

The range and level of the competencies required, the form of the evidence to be presented and the criteria for assessment will vary for each economy but would normally be expected to include competence to -

- (1) apply engineering technology knowledge to the analysis and solution of engineering problems; and
- (2) provide technical and supervisory managerial leadership; and
- (3) use effective communication and interpersonal skills.