

## A BRIEF GUIDE TO REGISTRATION

Engineering is all around us, satisfying everything from our basic needs to our more complex dreams and ambitions. The engineers and technicians who make this possible enjoy contributing to teams through technical endeavour to sustain and improve lives. They possess an incredible range of creative talent that is underpinned by their enquiring minds and balanced by their intellect and judgement. Society rightly places great faith in the engineering profession, trusting engineers and technicians to regulate themselves on its behalf. This trust can only be delivered through significant individual commitment that is publicly demonstrated by the attainment of the professional competence and behaviours that are described in this Standard. The men and women who aspire to be recognised as professional engineers and technicians require independent assessment of their competence and commitment, UK-SPEC provides the means to achieve this. <sup>(1)</sup>

IHEEM registers suitably qualified and experienced engineers with the Engineering Council. Such registrants are entitled to use the designatory letters *Eng Tech*, *IEng* or *CEng* as appropriate.

UK-SPEC is the UK Standard for Professional Engineering Competence and contains the following definitions:

**Engineering Technicians** apply proven techniques and procedures to the solution of practical engineering problems.

Engineering Technicians are required to apply safe systems of work and are able to demonstrate:

- Evidence of their contribution to either the design, development, manufacture, commissioning, decommissioning, operation or maintenance of products, equipment, processes or services
- Supervisory or technical responsibility
- Effective interpersonal skills in communicating technical matters
- Commitment to professional engineering values.

**Incorporated Engineers** maintain and manage applications of current and developing technology, and may undertake engineering design, development, manufacture, construction and operation.

Incorporated Engineers are able to demonstrate:

- The theoretical knowledge to solve problems in developed technologies using well proven analytical techniques
- Successful application of their knowledge to deliver engineering projects or services using established technologies and methods
- Responsibility for project and financial planning and management together with some responsibility for leading and developing other professional staff
- Effective interpersonal skills in communicating technical matters
- Commitment to professional engineering values.

(1) From the Foreword to UK-SPEC 2014 Edition

**Chartered Engineers** develop solutions to engineering problems using new or existing technologies, through innovation, creativity and change and/or they may have technical accountability for complex systems with significant levels of risk.

Chartered Engineers are able to demonstrate:

- The theoretical knowledge to solve problems in new technologies and develop new analytical techniques
- Successful application of the knowledge to deliver innovative products and services and/or take technical responsibility for complex engineering systems
- Accountability for project, finance and personnel management and managing trade-offs between technical and socio-economic factors
- Skill sets necessary to develop other technical staff
- Effective interpersonal skills in communicating technical matters.

The decision to register is based on peer review and comprises assessment of Education and of Competence and Commitment. It also includes a judgement of the professional level at which you are employed.

**Education** – the ability to demonstrate knowledge and understanding is an important part of the registration process. This may typically be by the attainment of appropriate academic qualification (e.g. Degree, HND, NVQ), but this may also be demonstrated by the writing of a technical report. For individual guidance please contact the Membership Department.

**Competence and Commitment** – a professional review of a written engineering practice report and a review interview is mandatory for Chartered and Incorporated Engineer candidates, and maybe required for Engineering Technicians. Any such reviews are measured against specified standards, contained in UK-SPEC.

It is not uncommon to register in one section and as qualifications and experiences develop, to move to another. Equally many engineers remain within one section for the whole of their professional careers.

To become registered, you must first be a member of a Professional Engineering Institute such as IHEEM.

### **Making an Application**

If you not already a member of IHEEM, your first step should be to apply for membership of the Institute, indicating that you wish to also apply for registration. After considering your application, the Membership Committee will advise the most appropriate route, based on your qualifications and experiences to date.

If you are a member of IHEEM, you should make an individual application for registration and the Membership Committee will advise the most appropriate route, based on your qualifications and experiences to date. At the same time you may wish to consider an application for upgrade of your membership grade.

Once your application has been approved, the Membership Department will advise and guide you through the next steps.

### **Further Information:**

[www.engc.org.uk](http://www.engc.org.uk) – the website of The Engineering Council - includes a link to a copy of UK-SPEC  
[www.iheem.org.uk](http://www.iheem.org.uk) – website of the Institute of Healthcare Engineering and Estate Management  
[membership@iheem.org.uk](mailto:membership@iheem.org.uk) – e-mail address for enquiries of IHEEM

Individual Information Packs covering each level of registration in more detail are available from the Membership Department, or via the website at [www.iheem.org.uk/Making-an-Application](http://www.iheem.org.uk/Making-an-Application)