International Forum on Engineering Capacity

Development and Future of British Engineering Professional Standards

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Agenda

- Public assurance and safety
- Importance of professional registration to show engineering standards
- Belt and Road Initiative
About the IET

- A professional home for life for engineers
- Trusted source of engineering knowledge
- 169,000 members in over 150 countries
- Multidisciplinary to reflect diverse nature of engineering
- Internationally recognised professional registration
Inspiring the next generation

Engineer a better world

Working to engineer a better world
More about the IET

- Respected international publisher – Inspec
- High-quality resources for academics
- Royal Charter and Her Majesty the Queen is our Patron
- Vision is working to engineer a better world
- Mission is to inspire, inform and influence
Importance of engineers
Engineering Council

- In the UK, the Engineering Council is the regulatory body for the engineering profession
- The IET is the largest institution licenced by the Engineering Council
Categories of Professional Registration

The UK Standard for Professional Engineering Competence (UK-SPEC)

Categories of Professional Registration (assessed in accordance with the Engineering Council Registration Code)

- CEng
- IEng
- EngTech

The UK Standard for Professional Engineering Competence (UK-SPEC)

Working to engineer a better world
Five areas of competence

A. Knowledge and understanding

B. Design and development of processes, systems, services and products

C. Responsibility, management or leadership

D. Communication and inter-personal skills

E. Professional Commitment
Benefits of Professional Registration

- Recognition as a professional in your field
- Improved self motivation, career opportunities and salary prospects
- Greater influence within your organisation and industry
- Confirmation that you are a competent engineer and/or technology professional
- Connecting you with innovative, influential and inspirational people
- International recognition of your qualifications
IET Professional Review Process Overview

Initial Review
- Peer review of application to confirm Underpinning Knowledge and Understanding

Peer Assessment
- Peer assessment of application and additional evidence

Professional Review Interview
- Face to face Professional Review Interview

Peer Decision
- Final decision – peer assessment of all evidence

Working to engineer a better world
Continuing Professional Development
Our work in China
Belt & Road Initiative

The Belt and Road Initiative creates a global infrastructure network
China uses, acquires and builds railroads, ports and pipelines
Three key points

- Public are reliant on engineers – critical to show proven skills, knowledge and experience
- Professional registration ensures this
- Benchmark Chinese engineers to meet the aims of Belt and Road Initiative
Thank you