

Requirements for Registration **as a Chartered Engineer**

The Assessors of the Hong Kong Branch of IMMM pay particular attention to the following aspects in considering whether to recommend a candidate for registration as a Chartered Engineer.

Engineering Appreciation

The candidate must be able to demonstrate that he or she has participated in a broader role than merely the collection, analysis and production of technical data and information. The candidate should have had experience in the subsequent processes of design and construction and be able to demonstrate an understanding of the wide-ranging factors that may be involved in the implementation of an engineering project, including :-

- design theories and analytical techniques
- financial and time constraints
- constructability and quality of the finished product
- manpower requirements
- risk considerations
- environmental, safety and health issues
- the interests of the client, the user and other identified stakeholders
- ethical considerations
- relevant rules, codes, regulations and procedures
- contract and/or consultancy arrangements

Responsibility

The candidate must be able to demonstrate that he or she is capable of working independently in a responsible decision-making role, exercising good judgment as to when to, and when not to, refer to a more senior colleague. The candidate must demonstrate that he or she takes responsibility for his or her decisions and recommendations.

Communication

The candidate must be able to express views and explain ideas with conviction and clarity, distinguishing between possessed knowledge and that outside his or her own field of expertise. The candidate should also be able to formulate reasoned responses to questions on unfamiliar, but allied, subjects through lateral thought, drawing on his or her all-round knowledge.

Management

The candidate must either have had previous management experience or be able to demonstrate the capability to manage. This includes the management of both people and resources.

Innovation and Initiative

The candidate must demonstrate an interest in the advancement of his or her particular field of engineering. Instances include continuing professional development, by formal and/or informal means, and by introducing and applying new developments into his or her work and/or workplace.