

Admission Requirements for Founding Members of Aircraft Discipline

1. Application Period

The deadline for the application for Founding Members of the Aircraft Discipline is extended to 31 May 2012.

2. Admission Requirements

Candidates applying for the founding members in the Aircraft Discipline of the HKIE are required to satisfy one of the following **Academic Requirements**:

- (i) a accredited Bachelors degree with honours in engineering or technology relevant to the Discipline; or
- (ii) a degree in engineering or technology, accredited by the one of the accreditation bodies as listed in the Washington Accord, relevant to the Discipline; or
- (iii) passes in Engineering Council UK Part II Examinations before year 2002; or passes in the Engineering Council Postgraduate Diploma after year 2001; or
- (iv) other honours degree level qualifications in engineering or technology “topped-up” with further learning or relevant experience acceptable to the Discipline Advisory Panel of Aircraft Discipline (DAP); or
- (v) other acceptable qualifications*, such as Chief Executive Delegated Person; Holder of an Aircraft Maintenance Licence (Category B or C) granted by the Chief Executive; Approved / Authorised / Accepted Person, Certifying Staff or Authorised Examiner / Assessor employed in an organisations approved by the Chief Executive; or
- (vi) Corporate Member of the Hong Kong Institution of Engineers in other Discipline(s)

“**Training/Experience Requirement**” shall be as stipulated in sections 2(ii) of the “Admission Requirements for the Aircraft Discipline” through the General Experience Route. In particular, the candidates shall have had a minimum of six years of relevant and post academic qualification work experience in Aircraft Engineering with the scope as outlined in Section 2 Scope of Experience of the “Admission Requirements for the Aircraft Discipline.” Candidates who possess the qualifications as stated in 2(v) above, shall have at least 15 years’ relevant experience and attained a senior position in the aircraft engineering profession.

Candidates who satisfy the above requirements will be accepted for Professional Assessment by the DAP.

* Refer to Note for definitions

3. Professional Assessment

All candidates are expected to deliver the following documentation in covering the period of experience required together with their applications for founding member:

Experience Report

Details are included in Section 4 of “M3 – Routes to Membership” for documentation relevant to the General Experience Route. Candidates, who possess the qualifications as stated in 2(v) above, and meet the experience requirements, may submit a summary of career history in aircraft engineering profession instead of the experience report.

Drawings and Documents

All candidates, except those possess the qualification as stated in 2(v) and (vi) above, are required to provide evidence or examples of recent work in support of his claim of attaining professional status, such as reports, plans, calculations, photographs, etc as appropriate. All these documents should be submitted with the Experience Report.

The DAP shall assess the extent to which a candidate for the founding member meets the admission requirements and to ascertain the quality of his technical and responsible experience in aircraft engineering. The Professional Assessment shall be based on the documentation submitted by the candidate and an optional interview, as deemed necessary by the DAP. Details of the optional interview are included in paragraph 5 of Section 4 of “M3 – Routes to Membership.”

Note:

AN(HK)O means CAP 448C Air Navigation (Hong Kong) Order 1995, a subsidiary legislation of the Civil Aviation Ordinance of the Hong Kong Special Administrative Region.

Chief Executive means the Chief Executive of the Hong Kong Special Administrative Region or any persons as defined in the AN(HK)O Article 98(1).

Delegated Person means the Civil Aviation Department airworthiness officer who is delegated by the Chief Executive, as per AN(HK)O Article 98(12), to exercise or perform powers or duties on his behalf.

Holder of an Aircraft Maintenance Licence means the fit and competent person who has been granted the licence, as referred in AN(HK)O Article 12, by the Chief Executive.

Approved / Authorised / Accepted Person, Certifying Staff or Authorised Examiner / Assessor means the fit and competent person, who is exercising the privileges or duties as stipulated in AN(HK)O Articles 9, 11, 12 and 101, in a design organisation, production organisation, maintenance organisation, training organisation or Air Operator’s Certificate holders approved by the Chief Executive.

Admission Requirements for the Aircraft Discipline

Candidates applying the class of Member in the Aircraft Discipline of the HKIE are required to satisfy the following:

1. Academic Requirement

The academic requirement for Member in the Aircraft Discipline is:

- (i) a accredited Bachelors degree with honours in engineering or technology relevant to the Discipline; or
- (ii) a degree in engineering or technology , accredited by one of the accreditation bodies as listed in the Washington Accord, relevant to the Discipline; or
- (iii) other acceptable qualifications, such as passes in Engineering Council UK Part II Examinations before year 2002; or passes in the Engineering Council Postgraduate Diploma after year 2001; or
- (iv) other honours degree level qualifications in engineering or technology “topped-up” with further learning acceptable to the Discipline Advisory Panel of Aircraft Discipline (DAP). Submission of the Form 1/AQ may be required; or
- (v) Corporate Member of the Hong Kong Institution of Engineers in other Discipline(s)

2. Training/Experience Requirement

Scope of Experience

Aircraft engineering is multidisciplinary in nature. The scope of experience will include, but is not necessarily limited to:

- a) Air safety investigation
- b) Certification
- c) Design and documentation
- d) Education and training
- e) Installation
- f) Manufacture and supply
- g) Operation and maintenance
- h) Safety and quality assurance
- i) Research and development
- j) Risk management
- k) Test and evaluation
- l) User and regulatory requirements

It is not reasonable to expect an applicant to be fully conversant in the entire scope of experience; one must however have broad based experience and responsibility in one or more fields, as well as a good understanding of other related aspects.

Routes of Gaining Experience

(i) Scheme “A”

2 years’ training in Aircraft Engineering + 2 years’ responsible experience.

A total of 4 years’ training and responsible experience.

(ii) General Experience Route

Candidates who have not undertaken pre-approved training will be required to have had a minimum of six years’ relevant experience in Aircraft Engineering.

Details of the training and experience requirements are included in Section 3 of “M3-Routes to Membership”.

Candidates who satisfy the above requirements will be accepted for Professional Assessment.

3. Professional Assessment

All candidates are expected to deliver the following documentation together with their applications:

Training & Experience Report

Details are included in Section 4 of “M3 – Routes to Membership.”

Drawings and Documents

All candidates may submit relevant examples of recent work.

Logbooks of Scheme “A”

All documents should be the candidate’s own work and documents must be “verified” by a Corporate Member of the Institution or the employer.

Continuing Professional Development (CPD) Record

Details are included in Section 4 of “M3 – Routes to Membership”

All documents submitted will be treated as confidential and will be returned to the candidate after assessment. Candidates should however retain copies of all documents submitted as the Institution does not accept responsibility for any documents lost or damaged.

All candidates, except for those who are Corporate Members of the HKIE in other Disciplines, are required to take professional assessment (including an interview and essay writing) in accordance with Section 4 of “M3-Routes to Membership”.

Candidates, who are Corporate Members of the HKIE in other Disciplines with six years’ relevant experience in Aircraft Engineering, may submit a summary of career history instead of the experience report. The Professional Assessment shall be based on the documentation submitted by the candidate and an interview. Essay writing is only required when deemed necessary by the assessors.

ADMISSION REQUIREMENTS FOR THE AIRCRAFT DISCIPLINE FOR MEMBERS OF THE HKIE SEEKING ADDITIONAL DISCIPLINE

1. Background

Aircraft engineering is multi-disciplinary in nature. It covers a wide range of professional skills such as mechanical engineering, electronic engineering and manufacturing engineering, etc. Aircraft Discipline therefore welcomes more professional engineers from other disciplines to join and contribute to the profession of aviation industry.

2. Admission Requirements

Academic Requirements

Candidates applying for the Members in the Aircraft Discipline of the HKIE are required to satisfy the following requirement:

- (a) Corporate Member of the Hong Kong Institution of Engineers in other relevant Discipline(s)

Training/Experience Requirement

Candidates are required to satisfy either one of the following requirements.

- a) Candidates shall have a minimum of 15 years of relevant and post academic qualification work experience in a senior/executive position, including work experience in manufacturing or service industry. He/She shall be required to demonstrate relevant experience in aviation related areas.
- b) Candidates shall have a minimum of 10 years of relevant and post academic qualification work experience in an engineering position, including work experience in manufacturing or service industry. He/She shall be required to demonstrate relevant experience or training in aviation related areas.

3. Professional Assessment

All candidates are expected to deliver the following documentation in covering the period of experience required *together with their applications.

Training & Experience Report

Details are included in Section 4 of “M3 – Routes to Membership”.

Drawings and Documents

All candidates may submit relevant examples of recent work.

Continuing Professional Development (CPD) Record

Details are included in Section 4 of “M3 – Routes to Membership”.

All documents submitted will be treated as confidential and will be returned to the candidate after assessment. Candidates should however retain copies of all documents submitted as the Institution does not accept responsibility for any documents lost or damaged.

Candidates shall submit the training and experience report. The Professional Assessment shall be based on the documentation submitted by the candidate. The Aircraft Discipline Advisory Panel shall assess the extent of the Professional Assessment required, including interview and essay writing if deemed necessary.

* *The period of experience required shall relate to the requirements in Section 2.*