

Hong Kong Airworthiness Course

Organised by the Aircraft Division, HKIE
Co-organised by the Hong Kong International Aviation Academy
Supported by Cranfield University



Course Coordinator: Ir Warren CHIM Wing Nin

Facilitators:

Cranfield University - Ir Dr CHUNG Wai Nang & Mr Jeremy TURNER

Aircraft Division - Ir Darryl CHAN Chun Hoi, Ir Dave NG Lai Ho, Ir Dennis HUI King Wai, Ir Donny CHAN Wai Keung, Ir LAM Chi Kin; Ir POON Chung & Ir Thomas TAM Ka Wong

Date, Time & Venue:

13 – 24 March 2023; 8:45 am to 5:15 pm;

Hong Kong International Aviation Academy

Registration & Enquiries:

The registration fee for the workshop is HK\$18,000. Prior registration is required. The number of participants is limited to 30 and applications will be accepted on a first-come first-served basis with priority to members of the Aircraft Discipline / Division of HKIE.

For registration, please click [HERE](#). The deadline for application is 10 March 2023 or when the registration is full. For payment, please either: 1) transfer to HSBC account number 801-220153-001 of the Aircraft Division and e-mail the transaction slip annotated with the applicant name(s) to HKIE.AC.2018@gmail.com; or 2) write a cheque payable to “The Hong Kong Institution of Engineers – Aircraft Division” and mail to Ir Warren CHIM Wing Nin at P.O. Box 126 Tung Chung Post Office; on or before 11 March 2023. Successful applicants will be notified on or before 12 March 2023 by e-mail.

For enquiries, please contact Ir Warren CHIM Wing Nin at 91056657 (WhatsApp) or e-mail: HKIE.AC.2018@gmail.com.

Course Objectives & Learning Outcomes:

The first week of this course is based on the foundation module of Cranfield University's MSc Airworthiness. The second week will focus on the Hong Kong airworthiness requirements.

The aim of the course is to provide a fundamental knowledge of the EASA and CAD requirements for airworthiness in aircraft design, production, operation and maintenance. On completion of this module, delegates will be able to:

- Describe the legal basis which underpins airworthiness regulation in aircraft design, production, operation and maintenance;
- Interpret the principles of airworthiness as applied to the process of aircraft and engine certification;
- Communicate the importance of airworthiness requirements as they relate aircraft design, production, operation and maintenance;
- Articulate the process for Continuing Airworthiness management for different types and sizes of operator.

Course Outline:

- Principles of Airworthiness and Air Law
- Design Organisation Approval (DOA)
- Type Certification for aircraft and engines
- Safety assessment of aircraft systems
- Certification Maintenance Requirements (CMRs)
- Production Organisation Approval (POA)
- Maintenance Organisation Approval (MOA)
- Maintenance Program Development
- Modifications and Repairs
- Safety Management Systems
- Human Factors in Airworthiness
- Incident reporting systems
- Lessons learned - Review of accidents
- Fire – Airworthiness issues
- Current airworthiness challenges
- Group work – based on Airworthiness lessons learned

Recognition:

Participants will receive a certificate from Cranfield University and Aircraft Division, HKIE upon successful completion of the course.

Application for recognition by the Civil Aviation Department of the Government of the HKSAR is in progress.

This course is included in the Professional Training and Examination Refund Scheme of the Maritime and Aviation Training Fund Pre-approved Courses/Examinations List with MATF Courses/Examinations Code AC062. The updated list is available [HERE](#).