

Hong Kong Airworthiness Course

*Organised by the Aircraft Division, HKIE &
Hong Kong International Aviation Academy and
Supported by the Cranfield University*



Facilitators:

Cranfield University:

- Mr Cengiz Turkoglu, Senior Lecturer, Cranfield Safety & Accident Investigation Centre
- Mr Lionel Wallace, Airworthiness Consultant, Lionel Wallace Limited

Aircraft Division, HKIE:

- Ir Dennis HUI King Wai, Chairman
- Ir Warren CHIM Wing Nin, Hon Secretary
- Other local subject matter experts to be confirmed

Date, Time & Venue:

19 – 30 November 2018; 8:45 pm to 5:15 pm;

Hong Kong International Aviation Academy – 6/F Airport World Trade Centre, Hong Kong International Airport

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, HKIE.

For registration, please click [HERE](#). The deadline for application is 15 October 2018 or when the registration is full. For payment, please write a cheque payable to “The Hong Kong Institution of Engineers – Aircraft Division” and send to Ir Warren Chim at P.O. Box 126 Tung Chung Post Office on or before 18 October 2018. Successful applicants will be notified on or before 23 October 2018 by e-mail. For enquiries, please contact Ir Warren CHIM Wing Nin at WhatsApp 91056657 or e-mail to HKIE.AC.2018@gmail.com. Participants will receive a certificate from the Hong Kong International Aviation Academy, Cranfield University and Aircraft Division, HKIE upon successful completion of the course.

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:

This course will be recognised by the Civil Aviation Department of the Government of the HKSAR.

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](#).