

Hong Kong Airworthiness Course

Organised by the Aircraft Division, HKIE

Supported by Cranfield University & ASRC, PolyU



Course Coordinator: Ir Warren CHIM

Facilitators:

Cranfield University - Mr Cengiz Turkoglu & Ir Dr CHUNG Wai Nang

Aircraft Division – Darryl CHAN, Dave NG, LAM Chi Kin, Thomas TAM & Warren CHIM (TBC)

Date, Time & Venue:

24 Oct (Tue) - 28 Oct (Sat) and 30 Oct (Mon) - 3 Nov (Fri) 2023; 8:45 am to 5:15 pm;

The Aviation Services Research Centre (Room X241H, Block X), the Hong Kong Polytechnic University, Hung Hom

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 HKIE Aircraft Discipline / Division.

For registration, please click [HERE](#). The deadline for application is 9 October 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's 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 at P.O. Box 126 Tung Chung Post Office; on or before 13 October 2023. Successful applicants will be notified on or before 16 October 2023 by e-mail.

For enquiries, please contact Ir Warren CHIM 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 jointly issued by the Aircraft Division of HKIE, Cranfield University and the Aviation Services Research Centre, PolyU 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](#).