



Aircraft System Safety Assessment and 1309 Design Analysis Course

Registration Deadline : 11 October 2017

Course No. AC109-2018

This course aims to provide the delegates with knowledge of the methods for safety assessment in relation to the design, reliability, safety and certification of aircraft systems. It also provides the practical knowledge of system safety requirements of 1309 regulation, from fundamental philosophies and criteria to the analysis techniques to accomplish safety requirement identification, validation and verification. It describes and explains the various approaches to assessing the safety of increasingly complex aircraft systems whilst providing an open forum in which all issues related to safety assessment can be discussed. The course is delivered over five days, and is mostly in the form of lectures and tutorials. Group work also takes place, where delegates will carry out a safety assessment in teams. All delegates will receive a Certificate of Attendance at the end of the course.

Duration : 05 – 09 February 2018 (Monday - Friday)

Location : Tai O Function Room, 3/F, Novotel Citygate Hong Kong, 51 Man Tung Road, Tung Chung

Organizer : Linken Capital Aviation Services Limited (LCAS)

Co - Organizer : Cranfield University



Maximum Number of Participants : 30

Who should attend : The course is designed for personnel from all parts of the aviation industry although it will be of particular value to the Part 23, 25, 27 and 29 system certification engineers, CVE, system designers, aircraft certification personnel, system safety specialists and those working for manufacturers, suppliers, operators and aviation authorities who are concerned with the design, reliability, safety or certification of aircraft systems.

Registration : Email to Teresa Leung at training@lcas.com.hk for the initial registration on first come first serve (*LCAS reserves the right to cancel the course in case of insufficient enrolment or unforeseen difficulties arising from running the course. In such circumstances, any paid course fees would be refunded*)

Course Scope : On completion of the 5-day course, the participants will be able to:

- Demonstrate an understanding of the regulatory background behind the Safety Assessment of Aircraft Systems
- Detailed review of the 1309 regulation
- Choose and apply the technique(s) which is most appropriate for the system under consideration
- Understand the theory behind each technique, including the strengths and weaknesses of each one, and be aware of possible pitfalls
- Appreciate the role of safety assessment in the overall context of aircraft certification
- Understand the issues to be faced for the certification of new systems and aircraft
- Understand Hong Kong STC Requirement and Procedures

Program Director : Ir. Y.K. LEUNG

Instructors : Dr. Simon Place; Mr. Maurice James ; Ir. Y.K. Leung

Panel Discussion : Ir. Y.K. Leung / Ir. Eric Cheung (HKCAD)