DESIGN ORGANISATION APPROVAL
(CAAM PART 21 SUBPART J)

Course Description

The Malaysia Civil Aviation Regulation (CAR) 2016, Regulations 21 states that "An organization may engage in any stage of design, manufacture or construction of any aeronautical product in Malaysia if the organization holds a certificate of approval …..". How to hold the design approval? The applicant must comply with the requirements in the Civil Aviation Authority Malaysia (CAAM), NOTICE 8401 "DESIGN ORGANISATION APPROVAL (CAAM PART 21 SUBPART J)".The trainers or coaches for this course will explain to the participants the detail requirements in the NOTICE 8401 and will guide the participants to prepare to apply for the DOA approval, for those having the approval this course will keep them current on the knowledge and skill to show compliance with the NOTICE 8401.

Course Learning Outcomes

The participants will be able to understand the regulations in the CAAM NOTICE 8401, which they need to show compliance to acquire and maintain the approval.

Course Structure

It is 3 days courses including an assessment at the end of the sessions;

- **Day 1:** Chicago Convention, Convention Articles, ICAO (International Civil Aviation Organization) SARPs (Standard and Recommended Practices), ICAO Annex 8 "Aircraft Airworthiness", Initial Airworthiness, Continuing Airworthiness, Malaysia Civil Aviation Act 1969, Malaysian Civil Aviation Legislation Framework, Notice 8401

- **Day 2:** application for a certificate of approval, design assurance system, Design Organization Manual (DOM), approval requirements (personnel, facility, documents), terms of approval, privileges, and obligations

- **Day 3:** Audit and Surveillance, Non-Conformance, Assessment (100 MCQ)

Course Duration

- Full time: 3 days
- Time: 0900-1630

Certificate Awarded

UniKL MIAT Certificate

Course Delivery Methodology

Lecture, Classroom discussions, Group discussions, Case studies

Contact Person

Please contact

- En Md Hafis Khairuddin, Head of Section (HOS), ACE at email: hafis@unikl.edu.my and phone or whatsapp at 0192985707 or
- Siri Famiza Mazlan, Administrative Officer, ACE UniKL MIAT at email: sitifamizam@unikl.edu.my and phone or whatsapp 00123092494.

TRAINER'S PROFILE

Abu Hanifah Haji Abdullah, PEng., PTech. He spends his 30 years of his career in aviation industry after graduation from University with double degree in BSc. in Aerospace Engineering and BSc. in Aeronautics (Aircraft Maintenance Engineering). He also completed his FAA A&P Program, while doing his double bachelor's degree programs. Later in 2002, he went to the Cranfield University in the UK for postgraduate study, and in 2004 he graduated in MSc. Aerospace Vehicle Design (AVD).

Upon graduation in 1989, his broad knowledge in aviation allowed him to secure a job at Airod Sdn Bhd, which is only six months after his graduation. From mid-1989 to the early 1994, he rose up the position of Senior Aeronautical Engineer. His job at Airod was designing structure repair, repair processes for engine and its components, prepare work package to recover damage aircraft for the Royal Malaysian Air Force (RMAF) and United States Air Force (USAF). He has design approval for the Lockheed C130 by the USAF Logistics Centre, Warner Robins, USA. He was also granted the approval as competent engineer in measuring the wing joint fitting using Optical Transit (Brunson Instrument).

In early 1994, he moved to Australia to work for Eagle Aircraft Pty. Ltd. He was one of the engineers responsible for design, certification and production of the fully composite aircraft, Eagle 150B. Started as Design and Certification engineer, he rose to the position of Project Manager for Certification of Eagle 150B stall certification. He was also the Acting Engineering Manager for the CASA (Civil Aviation Safety Agency) DOA (Design Organization Approval).

In the early 1995, the DCA (Department of Civil Aviation) DCA, which is CAAM (Civil Aviation Authority Malaysia) embarking into aircraft design, certification and manufacturing. In late 1996, he resigned from the Eagle and he joined the DCA as Assistant Director of Airworthiness (Airworthiness Design Surveyor). At the DCA, he was involved in design and certification of the two Malaysian aircraft; Eagle 150B and SME MD3-160. He was also responsible for several organization approval; DOA, POA, MRO, ATO. He was also in several aircraft type validation projects; helicopter Dragon Fly 333, helicopter MI-171, helicopter DHRUV. He was also in the aircraft Type Acceptance project; Airbus A320, A330, A340, DA 40D, DA 42, Agusta A109, 119, Eurocopter Super Puma. In addition to aircraft design, certification and organization approval, he was also assigned several times as the Aircraft Accident and Incident Inspectors to work under the Chief Inspector of Aircraft Accident and Incident under the Ministry of Transport.

In 2009, he took optional retirement and joined academic institutions, University Kuala Lumpue (UniKL), Malaysian Institute of Aviation Technology (MIAT) as an Associate Professor. At UniKL MIAT, he held several position; Head of Research Cluster, Head of Project Management Office (PMO), and now as the Head of Quality Department and Engineering Manager for UniKL MIAT Part 147. As an academia, research and consultation are part of the KPI. He was the HODO for one of UniKL Design Office, he was the CVE for CTRM Sdn Bhd. He also the airworthiness advisor for G7 Aerospace Sdn Bhd., Airgo Seats Sdn Bhd, Ikramatic Sdn Bhd.

In research he won several medals under the innovation and he has coached a group of UniKL Students and was one of the five best team in the world and was given free trip to Paris Airshow in 2011.

He was one of the coach for the EPP8 project, to develop Small Medium Enterprise (SME) for Aerospace for the last three programs. He was the trainer for the UniKL MIAT, Advanced Continuing Education (ACE), on several professional short courses in DOA, POA, MCAR 2016, Aircraft Structure Modification and Repair, SMS, Design and Certification of UAS, Aerospace QMS (AS9100 and NADCAP).