

WEBINAR TALK ON HELICOPTER DESIGN AND AIRWORTHINESS CERTIFICATION

ORGANISED BY:
PUBLIC SECTOR ENGINEERS SPECIAL INTEREST GROUP, IEM
BEM APPROVED CPD: 2 REF. NO: IEM26/HQ/246/T(w)

SPEAKER:

Assoc. Prof. Ir. Ts. Abu Hanifah Haji Abdullah

 21 JULY 2026, TUESDAY
(rescheduled frm 28 JULY 2026)

 10.00AM – 12.00NOON

 ZOOM PLATFORM

FEES FOR TALK

IEM MEMBERS

Registration Fee : FOC

Administrative Fee:

Online: RM15

Walk-in: RM20

NON IEM MEMBERS

Registration Fee : RM50

Administrative Fee: RM20



SYNOPSIS

Problems: Some helicopter owner-operators are caught off guard by selecting a helicopter that does not meet the mission requirements; helicopters have not yet been fully certified with an approved Type Certificate (TC), which takes longer to register and is issued with a Certificate of Airworthiness (C of A).

Contents of the webinar: The speaker has 40 years of experience in the aerospace industry and has been involved in several helicopter-type certification (validation) projects, including Mi-171 and Super Puma. The speaker will share the basic design of a helicopter, airworthiness standards, manufacturing, and initial airworthiness. The FAA FAR and EASA CS 29 - Large Helicopter will be the main focus.

Outcomes: At the end of the webinar, participants will understand helicopter design and the airworthiness standards used to certify a helicopter. The knowledge will provide a better understanding to inform decisions about helicopter selection.

SPEAKER'S PROFILE

Assoc. Prof. Ir. Ts. Abu Hanifah Haji Abdullah is an aeronautical engineering expert with over 30 years of experience in academia, industry, and regulatory roles. Currently an Associate Professor at UniKL MIAT (since 2009), he previously worked as an Airworthiness Inspector at the Department of Civil Aviation Malaysia (CAAM) and held engineering roles in Australia and Malaysia.

Key Expertise Areas:

- **Leadership & Management:** Led quality assurance, project management, and aerospace design initiatives.
- **Airworthiness:** Extensive experience in aircraft certification for both fixed-wing and rotary-wing aircraft.
- **Design & Certification:** Worked on drones, passenger drones, WIG crafts, and cargo containers; collaborated with Airbus, Boeing, and other major aerospace companies.
- **Air Accident Investigation:** Involved in MH370 and several other aviation accident investigations.
- **Research & Development:** Leader in transport research and advisor for innovative aerospace projects, including passenger drones and Airbus competitions.
- **Academic & Training:** Experienced lecturer, external examiner, and certified HRDF trainer in aviation engineering.
- **Quality & Compliance:** Managed quality assurance for aviation training and acted as a technical specialist for SIRIM QAS.

His extensive contributions span education, regulatory compliance, aerospace engineering, and research, making him a key figure in Malaysia's aviation sector.