CONTINUING EDUCATION AND
TRAINING SERIES

Design and Airworthiness Approval Regulations

This 4-day course provides participants with an understanding of the regulatory system within Australia and its application to aircraft design, manufacture, modification, safety, repair and continuing airworthiness. This course is intended for Professional Engineers to provide competency training in approval of technical data and finding compliance to the CASR part 21 rules and regulations. It is suitable to individuals seeking CASA authorisation under CASR Subpart 21.M or those individuals seeking technical authority in a CASR Subpart 21J organisation.
The course includes discussions on case studies and practical examples.
The course has been developed in consultation with the Civil Aviation Safety Authority (CASA).

Monday 16th to Thursday 19th of November 2026
9:00am—5:00pm

Venue:
MEMKO - L28, 303 Collins Street, Melbourne
VIC 3000, Australia

Course managed by MEMKO Aviation, Aerospace and Defence,
ABN 73 619 452 470

COURSE REGISTRATION

Design and Airworthiness Approval Regulations

Name: _

Company: _

Address: _

_ _

Telephone: _ _ _ _ _ _ _ _ _

E-mail: _

Registrations close Friday 6th of November 2026

Email this form with your payment details to:

MEMKO A.A.D.
Email: training@memko.com.au

Payment Method:

☐ Bank transfer ($3,575) to MEMKO AAD P/L BSB 033-060 Ac 437512
☐ Charge my credit card:

☐ Visa ☐ MasterCard Amount: $ 3,575

Number: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ CVC: _ _ _ _

Card expiry: _ _ / _ _ Cardholder Name: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Cardholder's Signature: _

For further info, please contact MEMKO on 03-8605 7777 or training@memko.com.au
Tax invoices/receipts will be emailed to above email address.

FM-1406

COURSE OUTLINE

The course will cover the following topics:

- The Power of Government
- Regulations - A Historical Perspective
- The Australian Civil Aviation Regulatory Framework
- Bi-Lateral Agreements and ICAO
- The Civil Aviation Safety Authority (CASA)
- Safety Regulation and Enforcement Strategy
- Airworthiness Control System
- Type Certification and Design Standards
- Manufacture (Production Certification)
- Aircraft Certification (Certification of Airworthiness)
- In-Service Design Changes - CASA delegated privileges and Approved Design
- Organisations (CASR Subpart 21.J)
    - Supplemental Type Certificate (STC)
    - Australian Parts Manufacturer Approval (APMA)
    - Australian Technical Standard Order (ATSO) Authorisation
    - Modification/Repair Design Approval (CASR 21 Subpart M)
- Continuing Airworthiness and Maintenance
- Delegation and Design Approval Authorisation from CASA, including Approved Design Organisation (CASR Subpart 21.J)
- CASA Audit Program
- Documentation
- Problem Solving Exercises and Case Studies
- Harmonisation with EASA Part 21 and the Australian Defence Force DASR Part 21

COURSE LECTURER

Doug McPherson
Engineering Consultant

Doug is an aerospace engineering professional with over 20 years international experience in aircraft design, certification and sustainment across civil and military platforms. His career includes key engineering leadership roles with Hawker de Havilland, Boeing Aerostructures Australia and Aeronautical Engineers Australia, supporting new product development as well as ongoing production, maintenance and overhaul activities. Doug's technical background spans major global OEM programs including Boeing, Airbus, Lockheed Martin and Bombardier.

He has held multiple technical delegations, including Design Approval authority at Hawker de Havilland and MRB delegation across platforms such as B737, B747, B757, MD90, MD11, F/A-18, Challenger 300, C-130J and Airbus A310/A320/A330/A340/A380 for components produced locally. Doug has also served as a CASA CAR 35 (now Part 21M) delegate supporting regulatory design approval. He brings extensive expertise in engineering governance, aerostructures, product certification and in-service support.

COURSE GUEST LECTURER

Mr John Wilton
Paradigm Legal

John Wilton is an experienced lawyer and contracts manager with more than 18 years of experience in dispute resolution, insurance and claims management, government procurement, complex commercial negotiations, contract drafting and advising on complex contracts in the Defence, Aerospace, Technology commercialisation, Commercial Services and Professional Services sectors, both domestically and internationally.

COURSE ACCREDITATION

All participants will receive a certificate of completion after full attendance of the course. Academic credit will be given to participants who successfully complete the components of assessment.

COURSE PREREQUISITES

The course is intended for persons who hold, or are seeking to hold, authorisation or design approval. It provides an understanding of the regulations and processes that organisations and individuals are required to address, for the modification and repair of aircraft and design and production of products and parts. Experience in aviation and the regulatory system would be an advantage.

COURSE FEES

Fee for this 4-day course is $3,250 AUD plus GST ($3,575 AUD).
This includes course notes, morning and afternoon tea/coffee and lunches.
Course fees will be returned less a $50 administration fee, upon receipt of a written cancellation notice before Friday 6th of November 2026.

MEMKO reserves the right to cancel the course, in which case participants will be notified and the course fee will be returned in full, this includes COVID-19 related circumstances. Because of this, please hold off booking flights and accommodation until the course is confirmed.
Places are limited.

Please note the course notes will be delivered in an eBook format. iPads will be provided to access the material. Participants are welcome to bring their own laptops.