



*Civil Aviation Safety Regulations 1998 – Part 60
Regulation 60.035*

FLIGHT TRAINING DEVICE QUALIFICATION CERTIFICATE

Instrument Number: CASA.FSTD.0206. Revision No:12

No. AUS-61

This is to certify that

Australian International Aviation College Mechtronix DA 40 / DA 42 NG Flight Training Device

Serial Number SN-00002391

Located at Port Macquarie Airport

is qualified as a FAA Level 5 Flight Training Device in accordance with Subpart 60.B of the *Civil Aviation Safety Regulations 1998*.

The device specifications including identifying details, types and models of aircraft that are simulated and the capability of the device are described in this certificate.

This Certificate is not transferable and continues in effect until 30 June 2025.

Joseph Anthony Rule
Branch Manager Flight Standards

17 June 2024

Civil Aviation Safety Authority

Flight Training Device Specification

AUS 61

- | | | |
|----|---|---|
| a) | Type/Variant of Aircraft Engine Fit | DA 40- Lycoming IO-360-M1A
DA 42 NG -Austro E4 |
| b) | Flight Training Device Qualification Basis | (FAR Part 60 Appendix B) |
| c) | Visual System | Mechtronix Inc Display
200 x 40 Deg FOV |
| d) | Motion System | Nil |
| f) | Management System Flight Fit | Garmin G1000 |
| g) | Guidance Information: Training, testing, and checking considerations | |

Credits

For the credits specified, the Flight Training Device must be operated in accordance with the following conditions.

1. An instructor authorised to conduct training in the activity must be present at the instructor station for the duration of the activity.
2. The Flight Training Device must be serviceable and approved for the purpose.
3. Training for the grant of a licence or rating must be conducted in accordance with the operator's approved syllabus of training by an authorised instructor.

Part 1 – Aeronautical Experience for the grant of a flight crew license or operational ratings

1. Private Pilot Licence (PPL) – Aircraft Category Rating.
 - a. Aeroplane - 1-hour dual instrument time 61.525(1)(e) and 61.545(1)(e)
2. Commercial Pilot Licence (CPL) – Aircraft Category Rating.
 - a. Aeroplane – 5 hours dual instrument time 61.590(1)(d) and 61.610(1)(d)

1. Multi-crew Pilot Licence (MPL)- Aircraft Category Rating.
 - a. Aeroplane – In accordance with an approved MPL syllabus of training for Phase 1 and Phase 2
2. Air Transport Pilot Licence (ATPL) - Aircraft Category Rating.
 - a. Aeroplane
 - i. 25 hours instrument time 61.705(1)(g) – (see 61.705(3))
 - ii. 25 hours aeronautical experience 61.705(1) – (see 61.705(3))
3. Instrument rating
 - a. 10 hours dual instrument time 61.885(5)(b)(i)
 - b. 20 hours instrument time 61.885(5)(b)
4. Private instrument rating
 - a. 10 hours instrument time 61.930(2)(d)

Part 2 – Instrument proficiency checks

For 61.695(6) and 61.880(6) – The following instrument approach operations using Instrument approach procedures specified in Part 4 of this schedule. At least 1 instrument approach operation must be demonstrated in an aircraft or approved flight simulator for the relevant aircraft as defined under 61.695(9) and 61.880(9)

- b. 2D instrument approach operations
- c. 3D instrument approach operations
- d. Azimuth lateral guidance
- e. Course Deviation Indicator (CDI) lateral guidance

Part 3 – Instrument rating or MPL/ATPL recent experience

5. Single pilot operations 61.875(1)
6. instrument approach operations 61.645(2), 61.685(2) and 61.870(2)
7. 2D instrument approach operations 61.645(2), 61.685(4) and 61.870(4)
8. 3D instrument approach operations 61.645(2), 61.685(5) and 61.870(5)
9. Azimuth lateral guidance 61.645(2), 61.685(6) and 61.870(6)
10. Course Deviation Indicator (CDI) lateral guidance 61.645(2) ,61.685(7) and 61.870(7)

Note 1: Under CASR 61.645(2), 61.685(2) and 61.870(2) the holder must conduct at least 1 instrument approach operation in an aircraft or flight simulator of the same category within the previous 90 days to satisfy the recent experience requirements

Part 4 – Type of instrument approach procedures

1. For 61.680 (4) and 61.860(5) the following kind of instrument approach procedures can be demonstrated:
 - a. DGA
 - b. NDB
 - c. VOR and VOR/DME
 - d. RNP APCH LNAV (GNNS)
 - e. ILS/LOC

Part 5 – Additional Activities

Night VFR Rating

1. Aeroplane Endorsement - 2-hour dual instrument time 61.975(1)(b)

h) Restriction /Limitations

Nil