
AIC

MALAYSIA

PHONE : 6-03-7846 5233
TELEX : PENAWA MA 30128
FAX : 6-03-7847 2997
AFTN : WMKKYAYS
COMM : AIRCIVIL
KUALA LUMPUR

AERONAUTICAL INFORMATION SERVICES
DEPARTMENT OF CIVIL AVIATION
BLOCK A
AIR TRAFFIC CONTROL CENTRE COMPLEX
SULTAN ABDUL AZIZ SHAH AIRPORT
47200 SUBANG
SELANGOR DARUL EHSAN
MALAYSIA

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GLIDER FLYING OPERATIONS IN MALAYSIA

1. INTRODUCTION

- 1.1 The purpose of this AIC is to supplement the regulatory requirements in accordance with the MCAR 1996, Regulation 41 & 46 and ICAO Annex 1 Chapter 1 paragraph 2.12 .
- 1.2 This AIC sets forth a means that would be acceptable to DCA for purpose of obtaining such licence. This AIC also makes amendments to Aeronautical Information Circular 7/97 dated 28 July 1997, which is hereby superseded. This Aeronautical Information Circular is effective with immediate effect.

2. GLIDER OPERATIONS AT MANNED / UNMANNED AERODROMES

- 2.1 Subject to local Air Traffic Control requirements, glider operations are permitted at all manned and unmanned aerodromes except in the following aerodromes :
 - a. Sultan Abdul Aziz Shah (Subang)
 - b. KLIA (Sepang)
 - c. Penang
 - d. Kota Kinabalu
 - e. Kuching

3. AIRWORTHINESS AND FLIGHT OPERATION REQUIREMENTS

- 3.1 Operators shall ensure that all prerequisites specified by the Airworthiness and Flight Operation Division of Department of Civil Aviation, Malaysia are met prior to seeking approval from ATC.

4. GENERAL REQUIREMENTS

- 4.1 Glider operations shall be conducted in Visual Meteorological Conditions and by day only.
- 4.2 At both manned and unmanned aerodromes, order operations Raddi Conducted within the lateral and vertical limits specified by ATC.

Note : For unmanned aerodromes, operator shall notify the Watch supervisor at the appropriate Air Traffic Control Centre.

- 4.3 Cross-country flights are not permitted.
- 4.4 At manned aerodromes, gliders must be fitted with suitable radio equipment to maintain two-way communications with ATC.

5. **GLIDER PILOT LICENCE**

5.1 Requirements for the issue of the licence.

5.1.1. Age

5.1.1.1 The applicant shall be not less than 16 years of age.

5.1.2 Privileges

5.1.2.1 The privileges of the holder of a glider pilot licence shall be to act as pilot-in-command of any glider provided the licence holder has operational experience in the launching method used.

5.1.2.2 If passengers are to be carried, the licence holder should have completed not less than 10 hours of flight time as a pilot of gliders.

5.1.3 Knowledge

5.1.3.1 The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted to the holder of a glider pilot licence, in at least the following subjects :

A. Air Law

- Ø Rules and regulations relevant to the holder of a glider pilot licence, rules of the air; appropriate air traffic services practices and procedures.

B. Aircraft General Knowledge

- Ø Principles of operation of glider systems and instruments.
- Ø Operating limitations of gliders; relevant operational information from the flight manual or other appropriate document.

C. Flight Performance and Planning

- Ø Effects of loading and mass distribution on flight characteristics, mass and balance considerations.
- Ø Use and practical application of launching, landing and other performance data.
- Ø Pre-flight and en-route flight planning appropriate to operations under VFR, appropriate air traffic services procedures; altimeter setting procedures; operations in areas of high-density traffic.

D. Human Performance and Limitations

- Ø Human performance and limitations relevant to the glider pilot.

E. Meteorology

- Ø Application of elementary aeronautical meteorology; use of, and procedures for obtaining, meteorological information; altimetry.

F. Navigation

- Ø Practical aspects of air navigation and dead reckoning techniques; use of aeronautical charts.

G. Operational Procedures

- Ø Use of aeronautical documentation such as AIP, NOTAM, aeronautical codes and abbreviations.
- Ø Different launch methods and associated procedures.
- Ø Appropriate precautionary and emergency procedures, including action to be taken to avoid hazardous weather and wake turbulence and other operating hazards.

H. Principles of Flight

- Ø Principles of flight relating to gliders.

I. Radio Telephony

- Ø The applicant should have demonstrated a level of knowledge in radiotelephony procedures and phraseology as appropriate to VFR operations and on action to be taken in case of communication failure.

5.1.4 Experience

5.1.4.1 The applicant shall have completed not less than six hours of flight time as a pilot of gliders including two hours' solo flight time during which not less than 20 launches and landings have been performed.

5.1.4.2 When the applicant has flight time as a pilot of aeroplanes, the Licensing Authority shall determine whether such experience is acceptable and, if so, the extent to which the flight time requirements can be reduced accordingly.

5.1.4.3 The applicant shall have gained, under appropriate supervision, operational experience in gliders in at least the following areas :

- i) Pre-flight operations, including glider assembly and inspection.

- ii) Techniques and procedures for the launching method used, including appropriate airspeed limitations, emergency procedures and signals used.
- iii) Traffic pattern operations, collision avoidance precautions and procedures.
- iv) Control of the glider by external visual reference.
- v) Flight throughout the flight envelope.
- vi) Recognition of, and recovery from, incipient and full stalls and spiral dives.
- vii) Normal and cross-wind launches, approaches and landings.
- viii) Cross-country flying using visual reference and dead-reckoning.
- ix) Emergency procedures.

5.1.5 Skill

5.1.5.1 The applicant shall have demonstrated the ability to perform as pilot-in-command of a glider, the procedures and manoeuvres described in 5.1.4.3 with a degree of competency appropriate to the privileges granted to the holder of a glider pilot licence, and to :

- i) Operate the glider within its limitations.
- ii) Complete all manoeuvres with smoothness and accuracy.
- iii) Exercise good judgement and airmanship.
- iv) Apply aeronautical knowledge; and
- v) Maintain control of the glider at all times in a manner such that the successful outcome of a procedure or manoeuvre is never seriously in doubt.

5.1.6 Medical Fitness

5.1.6.1 The applicant shall hold a current Class 2 Medical Assessment.

6. CONCLUSION

6.1 This AIC is published for information and guidance of all concerned.

DATO' IR KOK SOO CHON
Director General
Department of Civil Aviation
Malaysia