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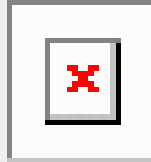
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Email: aishq@civilaviation.gov.mwaviationhq@malawi.netcivilavi@malawi.net**AIC for Malawi****AIC****A 08/2001****Effective from 01 FEB 2001****Published on 01 FEB 2001****PROFESSIONAL FLIGHT CREW LICENCES: FORMAT FOR THE AIRCRAFT
(GENERAL) EXAMINATION AND LOADING EXAMINATION****1 NOTICE**

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1.1 INTRODUCTION

1. This Circular summarises the arrangements for testing candidates in the Technical examination Aircraft Part 1 (General) syllabus area. These arrangements are already in effect.

1.2 THE ARRANGEMENTS

The examination is arranged as two separate subjects: 'Aircraft (General)' and 'Loading'.

The aircraft (General) subject is arranged into two sections. The first section deals with basic principles of systems applicable to most aircraft and the other covers less common systems and advanced aerodynamics.

1.2.1 THE AIRCRAFT (GENERAL) EXAMINATION

a. Syllabus

The contents of the two sections of the examination are as set out here under:

1. Subsection A
 - Theory of Flight (Subsonic aeroplanes); or
 - Theory of Flight (helicopters)
2. Subsection B
 - Flying Controls (Subsonic aeroplanes); or
 - Flying Controls, Rotors and Transmission (helicopters)
3. Subsection C
 - Piston Engines and Supercharging; or
 - Gas Turbine Engines
4. Subsection D
 - DC Electrics
5. Subsection E
 - Hydraulics
6. Subsection F

- Variable pitch propellers (aeroplanes)

1.2.1.1 Section 2

1. Subsection W
 - * Pneumatics
2. Subsection X
 - * Air-conditioning and Pressurisation
3. Subsection Y
 - * AC Electrics
4. Subsection Z
 - * Supersonic flight

1.2.1.2 Subsections to be taken

1.2.1.2.1 Initial Grant of Licence

- a. Candidates sitting the examination for the first time, are required to take and pass all subsections of Section 1. If the first aircraft type is a helicopter, the candidate will not be required to take subsection 'F'.
- b. A candidate taking Subsection C – Gas Turbine Engines, is required to take Section X and Y at the same sitting.
- c. A candidate is required to take any additional subsections of Section 2 if these are applicable to the first aircraft type rating.
- d. A candidate may, if he wishes, take any additional subsections of Section 2 and /or both alternate papers of subsections 'A' and 'B' and 'C' (but see para.b) above), at the same examination sitting.

1.2.1.2.2 Addition of Aircraft Types and/or Change of Class of Licence

- a. Addition of Aircraft Types and/or Change of Class of Licence a) A licence holder wishing to include an aeroplane fitted with Gas turbine engines, is required to take and pass subsection C – Gas Turbine Engines, as well as subsections 'X' and 'Y' at the same sitting.
- b. A licence holder wishing to have a helicopter licence if he had an aeroplane licence (and vice versa), is required to take and pass the appropriate alternate papers of subsections 'A' and 'B'.
- c. A licence holder is required to take any subsection of Section 2 if it is deemed to be applicable to the additional type rating being sought. 4.

1.2.1.2.3 PASS STANDARD AND CONDITIONS

- a. The pass mark for each subsection is 70%
- b. When the examination is being taken for the initial grant of a licence, a partial pass will be rewarded in Section 1 if the candidate achieves an overall mark of 70% or better in the required subsections whilst failing no more than 2 of those papers. When a partial pass in Section 1 is thus gained, the candidate will be required to resit the failed papers together with any required subsections of Section 2.
- c. All required subsections have to be passed within a series of 3 attempts. Failure to achieve this entails resitting the whole of the Aircraft (General) examination.
- d. A candidate taking C – Gas Turbine engines, 'X' and 'Y' under the conditions set out in para. 3.2.2(a) will be awarded a partial pass if he achieves a minimum overall mark of 70% in the subsections if he fails in one paper.
- e. There is no obligation to resit any optional subsections or subsection alternate paper. Such optional attempts will not be counted in the reckoning of the series of examination attempts.

1.2.1.2.4 VALIDITY PERIOD OF RESULTS

- a. Passes in the required subsections must be obtained within the 12 months immediately preceding receipt at the Department of Civil Aviation of the licence application.
- b. Passes in optional subsections or subsection alternate paper will remain valid for 5 years. 6.

1.2.1.2.5 THE LOADING EXAMINATION

The syllabus for loading is unchanged though it is a separate subject. At the initial attempt, the subject will have to be taken at the same examination sitting as the Aircraft (General) and other required papers.

The loading examination will be marked on a Pass or Fail basis. A candidate who fails the paper will be required to retake it, but not necessarily at the same sitting as the other subjects. No limit is set the validity of a pass.

1.2.1.2.6 CHARGE

A charge is applicable for each examination sitting. The Aircraft (General) and Loading subjects will be charged for, separately.

This circular is issued for information, guidance and necessary action.

L.Z. Phesele

ACTING DIRECTOR OF CIVIL AVIATION

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