

(iii) The applicant must not present any signs of organic disease of the kidneys; these latter must be insensitive to palpitation and of normal size. Renal ptosis will entail rejection. The urine must not contain any pathological element. Affections of the urinary passages and of the genital organs, even blennorrhœa, may entail temporary or definite unfitness. Applicants of the female sex must present a normal uterus and appendages. Cases in which surgical intervention has taken place will be considered individually. Any presumed pregnancy will entail rejection. The applicant must not present any clinical signs of syphilis.

Dysentery shall be considered as an acute disease; provided that a presumption of dysenteric infection shall entail rejection, unless the medical examiner considers that the clinical phenomena have disappeared.

- (f) *Eye Examination.*—The candidate must possess a degree of visual acuity compatible with the efficient performance of his duties. Binocular vision, ocular poise, the field of vision of each eye, and colour perception must be normal. Pilots must possess, without correction by glasses, visual acuity equal to at least 80 per cent. of the normal visual acuity for each eye taken separately, or 90 per cent. for one eye and 70 per cent. for the other, the visual acuity being measured by means of standard test types powerfully illuminated in such a manner that the light does not shine directly in the eyes of the examinee. Navigators must possess the same visual acuity, but with correction with glasses if necessary.
- (g) *Ear Examination.*—The middle ear must be healthy. The applicant must possess an auditory acuity not less than that corresponding with the normal perception of the tuning forks C (1) 64 vibrations per second, C (3) 256 vibrations per second, and C (7) 4,096 vibrations per second, the forks being held perpendicularly to the ground one centimetre from the auditory tube. The vestibular mechanism must be intact and not hypersensitive; it must be equal on both sides.
- (h) *Nose, Throat, and Mouth Examination.*—The applicant must possess free nasal and tubal air entry on both sides and must not suffer from serious, acute, or chronic affections of the buccal cavity or upper respiratory tract.

20. In the case of persons who have been previously found medically fit for flying, certain relaxations of the requirements set out in paragraph 19 may be made at the discretion of the Minister.

21. A person applying for the renewal of a licence will be required to undergo a medical examination conducted by a specially qualified medical officer or officers appointed by or acting under the authority of the Minister. This examination will be based on the requirements set out in paragraph 19.

22. In order to ensure the maintenance of efficiency, every holder of a licence shall be re-examined and pronounced fit before resuming air duties—

- (a) Whenever he has performed a total of 125 flying hours in the capacity of pilot within any period of thirty consecutive days since his last medical examination under these regulations, provided that not more than six months shall elapse between two successive examinations, and, in the case of a navigator, at least every six months.
- (b) After illness or accident (including, in the case of licence-holder of the female sex, confinement or miscarriage).

23. The date and result of each re-examination, whether for the purpose of renewal of the licence or in consequence of illness or accident will be recorded on the licence.

24. Applications for official medical examination should be made to the Controller of Civil Aviation, Defence, Wellington.

#### “ B ” PILOT'S LICENCE FOR PASSENGER OR GOODS FLYING-MACHINES.

25. The tests and examination for a pilot's licence to fly flying-machines carrying passengers or goods for hire or reward or for any industrial purpose shall be as follows:—

- (1) *Practical Tests.*—In each practical test, except as otherwise specified, the candidate must be alone in the flying-machine:—
- (a) The same tests are required under (1) (a) and (b) of paragraph 9 for a private pilot's licence. Candidates already in possession of the latter licence are not, however, required to pass these tests again.
- (b) A left-hand and right-hand spin.
- (c) Two cross-country or oversea flights of at least two hundred miles each. As regards one of these, the flight shall be made in the same aircraft within eight hours, shall include two obligatory landings (when the machine must come to rest at points, other than the point of departure, fixed beforehand by the examiners), and shall terminate with a landing at the point of departure. During this flight a height of at least 6,500 ft. shall be maintained for one hour. As regards both flights the candidate will at the time of departure be informed of his course and furnished with the appropriate map. The examiners will decide whether the course has been correctly followed.
- (d) A cross-country or oversea flight of at least two hundred miles with an examiner on board and including three forced landings at points selected by the examiner.
- (e) General flying for about half an hour with an examiner on board and including five landings.
- (f) A night flight of at least thirty minutes made between two hours after sunset and two hours before sunrise at a height of at least 1,500 ft. This test will be carried out on a dark night, the markings of the aerodrome and its surroundings being in normal operation during the flight.