

(2) The examination will be conducted in accordance with C.A. Form C.-15, and the original and duplicate copies of that form completed as required shall be forwarded by the President of the Medical Board to the Controller of Civil Aviation, Defence, Wellington.

Applications for copies of this form should be made to the Controller of Civil Aviation.

*General Examination.*

18. This examination will be based on the following requirements:—

The applicant must have the complete use of his four limbs, must not be completely deprived of the use of either eye, and must be free from any active or latent, acute or chronic, medical or surgical, disability or infection. He must be free from any injury or wound which would entail any degree of functional incapacity which might interfere with the safe handling of aircraft at any altitude, even in the case of prolonged or difficult flight. He must be completely free from hernia, must not suffer from any detectable sensory lesion, and must be free from a history of morbid mental or nervous trouble.

*Special Examination.*

19. This examination will be based on the following requirements of mental and physical fitness:—

(a) The applicant will be questioned concerning his family and personal history.

(b) *Examination of the Nervous System.*—The examination of the nervous system of the applicant shall comprise a full inquiry into the family and personal history. The information gathered shall be given in a statement made and signed by the applicant and accompanied, if possible, by a certificate in regard especially to losses of consciousness, fits and convulsions of all kinds, from the applicant's ordinary medical adviser or a responsible person who has known him for a long time. This statement and this certificate must be deemed satisfactory by the examining medical officer.

(i) The applicant must not present any mental or trophic impairment, pathological tremor, or presumptive evidence of latent epilepsy. Motility, sensibility, tendinous, cutaneous, and pupillary reflexes, co-ordination of movements, and cerebellar functions must be normal. An exception may be made for local peripheral trouble due to accidental section of a nerve branch.

(ii) Fractures of the cranium involving the internal table of the cranium box, even without apparent impairment, will entail temporary unfitness during a period of two years from the date of the fracture.

(iii) Any presumed nervous syphilis will entail rejection, unless the non-existence of such an impairment is proved by an examination of the blood and an examination of the cerebro-spinal fluid, made with the consent of the applicant.

(c) Pilots of aircraft carrying passengers or goods for hire or reward and navigators may not enter upon their duties before nineteen or after forty-five years of age.

(d) *General Surgical Examination.*—The applicant must neither suffer from any wound or injury, nor have undergone any operation, nor possess any abnormality, congenital or acquired, which might interfere with the safe handling of aircraft at any altitude, even in the case of prolonged or difficult flight.

(i) Palpation of the abdomen and abdominal viscera, particularly the pyloric, vesicular, duodenal and appendicular regions, whenever it reveals any swelling or distinct pain, must be completed by a radioscopic and radiographic examination.

(ii) Any surgical intervention in the biliary passages or the digestive tube, except appendicitis, involving a total or partial excision or a diversion of one of these organs, any anatomical lesion in the walls of any part whatever of the digestive tube, any stricture of its calibre, any calculus or foreign body, any peritoneal lesion established by clinical or laboratory examination will entail rejection. Exception may be made for spasmodic strictures not accompanied by other trouble and for ptoses compensated by a good abdominal musculature.

(iii) Diseases of the liver (including those of the biliary passages) and of the pancreas will in cases where it is deemed necessary be verified by laboratory examination, particularly by radiography as well as by an examination of the blood and of the urine, and will entail rejection only if they afford indication of the existence of a calculus, tumour, or lesion involving a persistent impairment of function of these organs.

(e) *General Medical Examination.*—The applicant must not suffer from any disease or disability which renders him liable suddenly to become incompetent in the management of aircraft. His muscular power must be adequate for the handling of the types of aircraft he will have to pilot or the apparatus he is to use.

(i) He must not have any signs of aneurism of the large arterial trunks, nor have any cardiac lesion, even if well compensated; the heart must be normal, with normal function, and only respiratory arrhythmia, increase of pulse rate from excitement or exercise, and a general slow pulse not associated with auriculo-ventricular dissociation will be allowed.

(ii) The applicant must not suffer from any acute disability of the lungs, nor possess any cicatricial lesion of the lungs, and must be free from tuberculosis capable of being diagnosed by the usual clinical methods, from tracheo-bronchial disease of the glands and from pulmonary emphysema, even if slight. In addition, each examination shall include a radioscopic record in doubtful clinic cases.