



# Medical requirements for Leisure Pilot Licence

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# Legal basis

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Regulation (EC) No 216/2008

Article 7 Para 2 Subpara 4

“Notwithstanding the third subparagraph, in the case of a leisure pilot licence a general medical practitioner who has sufficient knowledge of the applicant’s medical background may, if so permitted under national law, act as an aero-medical examiner...”



# Driver licence medical standard

- **FAA – Sport Pilot Licence**
- **NZ and AU – Recreational Pilot Licence**
- **UK – National PPL**



# IR Part Medical

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## MED.A.020 Medical certification

- (b) Applicants for and holders of a leisure pilot licence (LPL) shall hold a valid LPL medical certificate.
  
- (e) If a night flying qualification is added to a PPL or LPL, the pilot shall be colour safe.



# IR Part Medical

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## **MED.A.030 Competence for the issue, revalidation and renewal of MC**

### **(b) Initial issue**

(3) LPL medical certificates shall be issued by an AeMC, an AME or, if permitted under national law, by a general medical practitioner (GMP).

### **(c) Revalidation and renewal**

(2) LPL medical certificates shall be revalidated or renewed by an AeMC, an AME or, if permitted under national law, by a GMP.



# IR Part Medical

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## **MED.A.045    Limitations to MC**

### **(b)    Limitations to LPL MC**

When the applicant does not fully meet the requirements for medical fitness, the GMP shall refer the applicant to an AeMC or AME which shall comply with the requirements established in (a) for class 2 medical certificates



# IR Part Medical

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## **MED.A.055      Validity, revalidation and renewal of MC**

- (4) LPL medical certificates shall be valid:**
  - (i) until the age of 45;
  - (ii) between the age of 45 and 60, for a period of 60 months. A LPL medical certificate issued prior to reaching the age of 60 shall cease to be valid after the pilot reaches the age of 62; and
  - (iii) after the age of 60, for a period of 24 months.



# IR Part Medical

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## **MED.A.060      Suspension of exercise of privileges**

### **(c)      LPL medical certificates**

Holders of a LPL medical certificate shall inform their doctor or vision care specialist that they are licence holders before they are examined. If pilots are told that the condition from which they are suffering may make it unsafe to perform their duties, they shall not exercise the privileges of their licence until advised to do so by a GMP or an AME.





# IR Part Medical

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## **MED.B.090 Medical examination of applicants for LPL medical certificates**

Aeromedical examination and assessment of applicants for a LPL medical certificate shall consist at least of the following:

- (1) evaluation of their medical history;
- (2) examination of vision;
- (3) urine test;
- (4) blood pressure test;
- (5) whispered voice test;
- (6) examination of musculoskeletal system.



# IR Part Medical

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## **MED.D.001 Requirements for general medical practitioners**

In order to issue LPL medical certificates, general medical practitioners (GMP) shall be fully qualified and licensed for the practice of medicine in accordance with applicable national rules, and

- (a) have completed postgraduate training in general medical practice or any speciality relevant to aeromedical practice ; or



# IR Part Medical

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## **MED.D.001      Requirements for general medical practitioners**

- (b) have completed a training course in aviation medicine and have either:
  - (1) 1 year full-time, or part-time equivalent, experience in practicing a medical speciality relevant to aeromedical practice; or
  - (2) hold, or have held a pilot's licence for any kind of light aircraft.
- (c) declare their activity to the competent authority.



# AMC/GM to PART MEDICAL

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## AMC to MED.D.001

### Requirements for general medical practitioners

A speciality relevant to aeromedical practice in the sense of MED.D.001(a) should be considered as any speciality that gives competence to perform medical assessments in any of the systems described in Subpart B (cardiology, gastroenterology, ENT, etc.).



# AMC/GM to PART MEDICAL

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## AMC to MED.A.040      Requirements for the issue, revalidation and renewal of medical certificates – Limitations to LPL medical certificates

LPL medical certificates should be issued following examination in accordance with the following report:

### Leisure Pilot's Licence Medical Report



# AMC/GM to PART MEDICAL

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## Report:

- Pilot's details
- Doctor's details

## Instructions:

- For LPL MC without limitations
- Completed by the doctor
- In the presence of the pilot



# AMC/GM to PART MEDICAL

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## Instructions:

- Mainly based on the medical history
- Knowledge of the medical history
- If not – attempt to verify
- Pilot's responsibility
- Declaration of the truth



# AMC/GM to PART MEDICAL

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## Report layout:

- Questions with “yes” or “no” answers
- Clear and shaded boxes
- All clear – MC could be issued immediately
- Shaded – report referred to an AME or AeMC for further assessment





# AMC/GM to PART MEDICAL

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6	<b>Nervous System</b>	Y	N
Does the pilot have a history of ...			
Does the pilot have a history of problems with the nervous system?			
	Yes	If Yes, does the pilot have a history of (refer to further details below):	No If No go to section 7
			Y N
6.1	an epileptic fit after the age of 5 years?		
6.2	blackout or impaired consciousness within the last 5 years other than simple faint and cough syncope with low risk of recurrence?		
6.3	narcolepsy?		

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# AMC/GM to PART MEDICAL

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## Pilot's Declaration:

I declare that the medical history that I have given is true to the best of my knowledge.

I consent to release this medical information to the national licensing authority.

## Doctor's declaration:

I declare that I have examined the pilot to the standards established by Regulation XXXXX and following the acceptable means of compliance adopted by the European Aviation Safety Agency



# AMC/GM to PART MEDICAL

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- If all the questions have been answered with ticks in a clear box and the pilot and doctor have signed this report, the medical certificate can now be issued.
- If any question has been answered with a tick in a shaded box, this medical report has to be sent to an AME or AeMC for further evaluation.



# Cardiovascular system

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## Unfit or OPL:

- Left ventricular ejection fraction  $< 0,4$
- BP consistently exceeds 160 mmHg systolic and/or 96 diastolic
- Not satisfactory exercise test
- Aortic aneurysm in the range 5,5 – 6,5 cm



# Cardiovascular system

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## Minimum periods for certification after index events:

- 2 weeks after the initiation of the medication to control BP
- 6 weeks after angina, angioplasty, heart attack, pacemaker implant, catheter ablation
- 3 months after coronary artery by-pass grafting, sinoatrial disease, atrio-ventricular conduction defects, atrial flutter/fibrillation, narrow or broad complex tachycardia



# Cardiovascular system

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## Heart or lung transplant

A fit assessment may be made for applicants who have had a satisfactory cardiological evaluation to include an exercise test, or equivalent test and have a left ventricular ejection fraction of  $>0.4$ .



European Aviation Safety Agency

# METABOLIC AND ENDOCRINE SYSTEMS

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## Diabetes mellitus managed by insulin:

- OPL (recognition of the warning symptoms)
- Normoglycaemic
- Measured before and after flight
- No privilege to fly helicopters



# PSYCHIATRY AND PSYCHOLOGY

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## Alcohol dependency:

- Abstaining 1 year
- Blood parameters normalized
- OPL for 2 years
- Seizure – OPL for 5 years





# PSYCHIATRY AND PSYCHOLOGY

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## Severe anxiety or depressive states:

- Stable for 6 months
- Medication – no side effects

## History of psychosis:

- Fit after 3 years off medication if recovered, well and stable
- Anti-psychotic medication - unfit



# Neurology

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## Stroke or TIA:

- Unfit for minimum period of 1 month
- Full functional recovery
- OPL for minimum period of 11 months
- OPL removal – satisfactory exercise ECG



# Neurology

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A history of presumed loss of consciousness or altered awareness with seizure markers (unconsciousness for more than 5 minutes, amnesia greater than 5 minutes, injury, tongue biting, incontinence, remain conscious but with confused behaviour, headache post attack):

- Fit if no further episodes at least 5 years
- Fit, but with OPL if their last episode occurred more than 1 year ago and no treatment



# Neurology

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## Head injury and intracranial haematoma:

- Fit if the risk of seizure is no greater than 2% per annum
- Full clinical recovery



# Visual system

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- Visual acuity 6/9 binocularly and 6/12 in each eye.
- Night qualification: 9 of 15 Ishihara plates from 24-plate edition
- Amblyopia, monocularly:
  - ★ Satisfactory flight test
  - ★ Unaffected eye 6/6



**Thank you**

**Dr. Virgilijus Valentukevicius**

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