



# THE SILVER BULLET

from Rob Avery



## Av16 BAK/RPL UPDATE 3/3/2022

Dear Av16 RPL/BAK/RaAUS quiz booklet purchaser,

### ITEM 1.

Be sure you are using the correct (updated) work booklet when studying. Note that from 2-12-2021 the CASA DAY VFR work booklet mentioned in these texts will now be called ... RPL, PPL & CPL (Aeroplane) Workbook Version 3.0a - 02 December 2021

This is made available to you in the examination, and can be downloaded from the CASA website.

### ITEM 2.

Please modify the following question/answers if/as applicable to bring your book up to date.

#### IMPORTANT !!

1. **CASA say you CAN use wind from a TAF in 'P' charts. Only use the lower steady state wind—in Q8 below use 5kt, not 10kt. If light and variable given in a question, assume nil wind.**
2. **CASA also say that as the takeoff and landing distance factors are already applied to the graphs, you should not factor these further.**
3. **CASA further say that the 50%/150% Head/Tailwind factors are already incorporated in the work booklet diagrams, you should not correct for these as stated in Part 91.**

### Module 11b

#### Q8. (3 marks)

Refer takeoff weight chart fig 5 in the RPL, PPL & CPL (Aeroplane) Workbook Version 3 - 02 December 2021 .

Given:

Aerodrome elevation 5350 ft AMSL. QNH 1008 hPa. Temperature +30°C. Var 10°E.

Flap - Zero degrees.

Runways available 04/22

TAF Wind 060° 5-10 kt.

RWY slope 2% Down to SW.

TORA 1000 m.

Surface: Hard sealed.

The maximum TOW in this case is closest to ?

- A. 810 kg.
- B. 1050 kg.
- C. 1000 kg.
- D. 925 kg.

#### Q9. (3 marks)

Refer takeoff weight chart fig 3 in the RPL, PPL & CPL (Aeroplane) Workbook Version 3 - 02 December 2021 .

Given:

Aerodrome elevation: 2850 ft AMSL. Var Nil

QNH: 1008 hPa.

Ambient temperature: +25°C.

Flap: 10 degrees.

RWY 18/36

Slope: 1% DOWN to NORTH.

TAF Wind 225°/20 kt

Takeoff weight: Maximum.

Surface: Short dry grass surface

The minimum takeoff distance required (TODR) in this case is closest to ?

- A. 1000 m.
- B. 750 m.
- C. 850 m.
- D. 950 m.

Continued on next page→→→



Q10. (3 marks)

*Refer takeoff weight chart fig 3 in the RPL, PPL & CPL (Aeroplane) Workbook Version 3 - 02 December 2021 .*

Given:

Aerodrome elevation 3790 ft AMSL. QNH 1006 hPa. Ambient temperature +40°C. Var 10°E

Flap: 10° degrees.

RWY 09/27

RWY slope: 2% UP to West.

TAF Wind 280°/20 kt

TODA: 1500 m.

Surface: Short dry grass.

The maximum takeoff weight in this case is closest to ?

- A. 1025 kg.
- B. 1075 kg.
- C. 990 kg.
- D. 1100 kg.

**END OF 3-3-2022 updates.**

## OLDER AMENDMENTS

### BAK/RPL Av16 Updates/Amendments - 2nd December 2021

This notice is for all Av16 BAK/RPL purchasers sitting the exam after 1st December 2021.  
**Blue type** indicates the change within the question.

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#### ITEM 2.

**Please modify the following question/answers if/as applicable to bring your book up to date.**

#### Module 3

Q22. (1 mark)

An aircraft is quoted as being 2400 ft AAL. The aerodrome has an elevation of 1100 ft. In this case the altitude of the aircraft is ?

Q29. (1 mark)

Avgas specific gravity is about ?

- A. 0.80
- B. 0.72
- C. 0.91

Q30. 50 litres of Avgas weighs about how many kilograms ?

- A. 36 kg.
- B. 50 kg.
- C. 72 kg.



## MODULE 5.

Q1. (1 mark)

In which publication would you find details about pilot licences ?

- A. AIP
- B. CAO
- C. CASR
- D. CAAP

Q7. (1 mark)

Fuel reserves policy is found in ?

- A. ERSA
- B. CASR part 91
- C. CAAP
- D. AIP

Q20. (1 mark)

After takeoff at a Class D aerodrome you may commence a turn ?

Q25. (1 mark)

You would expect to find "VFR Lanes of entry" ?

- A. On WAC charts.
- B. In the AIP.
- C. In the CASR's.
- D. On VTC charts, or in the ERSA.

## MODULE 9.

Q22. (1 mark)

Which is correct ?

- A. Wind direction and speed in an ATIS is in degrees magnetic and knots.
- B. Wind direction and speed in an TAF is in degrees magnetic and knots.
- C. Wind direction and speed in an GPWT is in degrees true and kilometres/hr.
- D. All of the above answers are correct.

Q23. (1 mark)

Which of the meteorological reports indicates cloud heights above sea level ?

- A. TAF.
- B. ATIS.
- C. GAF.

## MODULE 12.

Q28. (1 mark)

The wind is described on an area forecast (GPWT) as 080°T. The magnetic equivalent if the variation is 7°E is ?

## END OF AV16 UPGRADE NOTICE.

*Best wishes for your studies and examination — Rob Avery*

