



## VH-LAT CHECKOUT QUIZ

Name of member:	
Licence Number and Type (eg: 123456 PPL)	

**NOTE:** When completing your checkout process with your Instructor please complete, discuss the answers with your instructor and update. Once complete scan this document and send to [committee@uniflying.org.au](mailto:committee@uniflying.org.au) so that we can add the completion to your pilot record.

### Weights:

1. The maximum gross (ramp) weight, maximum take-off weight and maximum landing weight for LAT is \_\_\_\_\_ kg (\_\_\_\_\_ lbs)
2. The maximum baggage compartment weight for LAT is \_\_\_\_\_ kgs
3. Weight and balance information and form can be found in Section \_\_\_\_\_ of the Club Handling Notes
4. LAT's acceptable CG range will lie between \_\_\_\_\_ mm to \_\_\_\_\_ mm aft of datum

### Fuel:

5. LAT's total fuel capacity is \_\_\_\_\_ Litres
6. Using the calibrated dipstick provided, the minimum and maximum measurable total fuel quantities in LAT are \_\_\_\_\_ and \_\_\_\_\_ Litres respectively
7. The unusable fuel stated in the Club Handling Notes is \_\_\_\_\_
8. LAT has two independent fuel tanks which are selectable with a fuel selector valve located \_\_\_\_\_.
9. The type and grade of fuel to be used is \_\_\_\_\_

## UFC VH-LAT Checkout Questionnaire

### Engine:

10. The aircraft's engine oil capacity is \_\_\_\_\_ quarts
11. Minimum oil to start a flight is \_\_\_\_\_ quarts (this is a club specified minimum)
12. The maximum RPM is \_\_\_\_\_ RPM
13. The maximum RPM is a propeller / engine limitation (circle the correct answer)
14. The engine is air / liquid cooled (circle the correct answer)
15. The engine is fuel injected / carburetted (circle the correct answer)

### V-Speeds:

16. LAT's Never Exceed Speed ( $V_{ne}$ ) is \_\_\_\_\_ KIAS
17. The maximum manoeuvring ( $V_a$ ) speed is \_\_\_\_\_ KIAS
18. Maximum flap extended  $V_{FE}$  speeds are \_\_\_\_\_ KIAS for \_\_\_\_\_ degrees flap setting  
and \_\_\_\_\_ KIAS for the \_\_\_\_\_ degrees (full) flap setting
19. Best rate of climb ( $V_y$ ) speed is \_\_\_\_\_ KIAS
20. Best angle of climb ( $V_x$ ) speed is \_\_\_\_\_ KIAS
21. Stalling speed in the clean configuration ( $V_{S1}$ ) at maximum gross weight is \_\_\_\_\_ KIAS
22. Stalling speed in landing configuration (full flaps,  $V_{S0}$ ) at maximum gross weight is \_\_\_\_\_ KIAS
23. Best glide speed in the clean configuration ( $V_{GS1}$ ) is \_\_\_\_\_ KIAS
24. Best glide speed in landing configuration ( $V_{GS0}$ ) is \_\_\_\_\_ KIAS

UFC VH-LAT Checkout Questionnaire

Systems:

25. Where is the PLB located in LAT? \_\_\_\_\_
26. LAT has mechanical / electrically operated flaps (circle the correct answer)
27. LAT's main battery has a nominal voltage of \_\_\_\_\_ Volts
28. LAT's engine driven alternator provides a nominal voltage of \_\_\_\_\_ Volts
29. LAT has two fuel pumps. Main fuel pump is \_\_\_\_\_ driven.  
Second fuel pump is \_\_\_\_\_ powered
30. LAT has a steerable / castoring nosewheel (circle the correct answer)
31. Where are the aircraft's static ports located?
32. The carbon monoxide detector is found on the \_\_\_\_\_
33. LAT has a basic autopilot with HEADING hold, VERTICAL SPEED hold and ALTITUDE hold capabilities.  
It can also receive lateral navigation commands from the Dynon in NAV mode. List three ways the autopilot can be disconnected
  - 1
  - 2
  - 3
34. Does LAT have a carburettor temperature probe? If so, is it indicated in degC or degF to the pilot?  
What is 0 degC in degF?
35. Which magneto should be switched to ON for engine start? When should the right magneto be selected on?
36. In case of a total and complete electrical failure (including any standby batteries), which instruments will continue to function as normal on the panel?

## UFC VH-LAT Checkout Questionnaire

### Operations:

37. LAT may be operated DAY VFR / NIGHT VFR / IFR / Aerobatics only (circle the correct answer)
38. What are LAT's maximum and minimum flight load factors (g-limits)?
- Maximum positive load factor: \_\_\_\_\_G
  - Maximum negative load factor: \_\_\_\_\_G
39. Is LAT aircraft approved for aerobatics or spins?
- \_\_\_\_\_ spins. \_\_\_\_\_ aerobatics.
40. What do you do if you find a defect with the aircraft?
41. The fuel pump should be selected ON / OFF for takeoff and landing. (circle the correct answer)
42. What are the maximum CHT? What is the normal CHT operating range?
43. What do you do if you notice an alarm during a hire?
44. Who is responsible for the aircraft during a hire and what is the excess?
45. What considerations need to be made when operating on gravel?
46. The aircraft is hired and billed on \_\_\_\_\_ time (engine start to engine stop). Maintenance release time is logged as \_\_\_\_\_ time
47. When taking a passenger flying in LAT (an experimental category aircraft) what items MUST the PIC brief the passengers BEFORE boarding the aircraft (refer to CAR 262AP)

### **Knowledge Deficiency Remediation**

This section is to be used to discuss any errors with your instructor and record the results of knowledge sharing exercise.

### **Instructor Signoff**

I have reviewed the UFC VH-LAT Questionnaire with the Club Member and any knowledge deficiencies in relation to the club procedures have been discussed and documented above.

Name of instructor:	
Instructor Signature:	
Date:	