University Flying Club Incorporated
University Flying Club (Inc.)
ABN: 94 417 153 935
committee@uniflying.org.au

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 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 _____**

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**

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 / castering 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?**

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)?**
    a. Maximum positive load factor: _____G
    b. 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 <u>MUST</u> the PIC brief the passengers <u>BEFORE</u> 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:	

VH–LAT Checkout Slip

Full name of Applicant:	
ARN of Applicant:	
Licence Type (Minimum of PPL required):	
Date completed checked out on VH-LAT:	
Hours of training completed on VH-LAT: *Total Time <150 hours = Minimum 5 hours.* *Total Time >150 hours = Check ride.* *Both require flight evaluation in VH-LAT.*	
Instructor's Full Name:	

Instructors Declaration - I certify that the applicant has demonstrated proficiency in flying VH-LAT, has completed the above training hours requirements and is fit to fly as Pilot in Command.			
Instructor Signature:		Date	

NOTE: This form must be scanned and sent to committee@uniflying.org.au for the application to be completed.

Instructor Notes: