

Lesson 31. Checkride Prep: Ground Knowledge Week 2 (Tasks B, G) + Flight 2

Pre-Flight: 2.5 hr | Flight Time: 2.0 hr | Post-Flight: 0.5 hr

STUDENT	DATE	INSTRUCTOR
AIRCRAFT	N41459 Warrior	N1302B Luscombe
FLIGHT TIME	GROUND TIME	Ground only

OBJECTIVE

Ground: Task B (Airworthiness Requirements) covers aircraft documents, required inspections, MEL/KOEL, AD compliance, and inoperative equipment procedures (91.213). Task G (Operation of Systems) covers all aircraft systems, powerplant, and emergency equipment/survival gear. Flight: Steep turns, ground ref, slow flight, stalls, emergency descent, and systems malfunctions to ACS standard.

LESSON STEPS

Check each step as it is completed. Leave anything not done blank. Sign and date once at the bottom.

1. Ground Training - Task B: Airworthiness Requirements

PA.I.B

2. a. Required aircraft documents (ARROW)

3. b. Required inspections and maintenance (annual, 100-hr, ADs)

4. c. Minimum Equipment List (MEL) and KOEL

5. d. Inoperative equipment procedures (14 CFR 91.213)

6. e. Preventive maintenance (Part 43 Appendix A)

7. f. Aircraft logbook review exercise

8. Ground Training - Task G: Operation of Systems

PA.I.G

9. a. Powerplant and propeller

10. b. Electrical system

11. c. Fuel system

12. d. Hydraulic/brake system

13. e. Vacuum/gyroscopic instruments

14. f. Pitot-static system

15. g. Environmental (heating/ventilation)

16. h. Emergency equipment and survival gear

PA.IX.D

17. Preflight inspection with systems focus - Do

PA.II.A PA.I.A

18. Engine start and taxi - Do

PA.II.C PA.II.D

19. Pre-takeoff check - Do

PA.II.F

20. Radio communications - Do

PA.III.A

21. Normal takeoff and climb - Do

PA.IV.A

22. Steep turns (left and right, 45-degree bank to ACS) - Practice

PA.V.A

23. Ground reference maneuvers to ACS - Practice

PA.V.B

24. Slow flight to ACS standard - Practice

PA.VII.A

25. Power-off stalls to ACS - Practice

PA.VII.B

26. Power-on stalls to ACS - Practice

PA.VII.C

27. Emergency descent - Practice

PA.IX.A

28. Systems and equipment malfunctions - Practice

PA.IX.C

29. Emergency approach and landing (simulated) - Practice

PA.IX.B

30. Normal approach and landing - Do

PA.IV.B

31. After landing and securing - Do

PA.XII.A

32. Postflight debrief and homework assignment

ITEMS NEEDED FOR SUCCESS

- ACS standards reference
- Task B Study Guide
- Task G Study Guide
- Aircraft POH (systems section)
- Aircraft logbooks
- PHAK Chapters 6-9

COMPLETION STANDARDS

Homework

Part 91/43 review

AC 91-67A

AFH Ch 2

PHAK Ch 6-9

Aircraft logbook review

Task B and G Study Guides

Inoperative equipment scenario

DEBRIEF AND SIGN-OFF

What went well, what to work on next lesson.

Sign once for the whole lesson. Steps left unchecked above were not completed this session.

INSTRUCTOR SIGNATURE / INITIALS

DATE