

NORTH AERO - PRIVATE PILOT 5.1

Phase 4

Structured checkride prep

Lessons 30 - 37

All 8 Phase 4 lesson plans as fillable instructor records:
one check per step, ACS and Part 61 references, and a single
debrief and sign-off per lesson.

Lesson 30. Checkride Prep: Ground Knowledge Week 1 (Tasks A, H) + Flight 1

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

Begin structured checkride preparation. Ground: Task A (Pilot Qualifications) covers Part 61 requirements, certificate privileges and limitations, currency requirements, and required documents. Task H (Human Factors) covers ADM, hazardous attitudes, risk management, CRM, PAVE/IMSAFE/5P checklists. Flight: All takeoff and landing types with go-arounds 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 A: Pilot Qualifications

PA.I.A

2. a. Part 61 certificate requirements and privileges

3. b. Medical certificate requirements (BasicMed, 3rd class)

4. c. Currency requirements (90-day, flight review, IPC)

5. d. Required documents (pilot certificate, medical, photo ID)

6. e. Logbook recordkeeping requirements

7. Ground Training - Task H: Human Factors

PA.I.H PA.I.B

8. a. Aeronautical Decision Making (ADM) models

9. b. Hazardous attitudes and antidotes

10. c. Risk management (PAVE, IMSAFE, 5P)

11. d. Crew Resource Management (single pilot)

12. e. Fitness for flight (fatigue, stress, medication, alcohol)

13. Preflight inspection - Do

PA.II.A

14. Engine start and taxi - Do

PA.II.C PA.II.D

15. Pre-takeoff check - Do

PA.II.F

16. Radio communications - Do

PA.III.A

17. Normal takeoff and climb - Do

PA.IV.A

18. Short-field takeoff and maximum performance climb - Practice

PA.IV.E

19. Soft-field takeoff and climb - Practice

PA.IV.C

20. Normal approach and landing - Do

PA.IV.B

21. Short-field approach and landing - Practice

PA.IV.F

22. Soft-field approach and landing - Practice

PA.IV.D

23. Go-around from normal approach - Practice

PA.IV.N

24. Go-around from short-field approach - Practice

PA.IV.N

25. Go-around from soft-field approach - Practice

PA.IV.N

26. Forward slip to a landing - Practice

PA.IV.M

27. After landing and securing - Do

PA.XII.A

28. Postflight debrief and homework assignment

ITEMS NEEDED FOR SUCCESS

- Preflight planning documents
- Airport Diagram
- Frequency quick list
- ACS standards reference
- Task A Study Guide
- Task H Study Guide
- PHAK Chapters 2 and 17

COMPLETION STANDARDS

Homework

Part 61 review

AC 61-142

AC 68-1A

PHAK Ch 2 and 17

Task A and H Study Guides

Task A and H Mock Questions

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

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		Ground only
	FLIGHT TIME	GROUND TIME		

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.

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DATE

Lesson 32. Checkride Prep: Ground Knowledge Week 3 (Task C) + Solo Practice

Pre-Flight: 2.5 hr | Dual: 0 hr | Solo: 1.5 hr | Post-Flight: 0.5 hr

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

OBJECTIVE

Ground: Task C (Weather) covers weather theory (fronts, stability, fog, icing, thunderstorms) and weather services (METARs, TAFs, PIREPs, AIRMETs, SIGMETs, GFA, winds aloft). Solo flight focuses on maneuver deficiencies identified in Flights 1 and 2.

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 C: Weather Theory

PA.I.C PA.I.A PA.I.B

2. a. Atmospheric composition and circulation

3. b. Wind patterns and pressure systems

4. c. Frontal systems and associated weather

5. d. Stability, cloud formation, and precipitation

6. e. Fog types and formation

7. f. Icing hazards and avoidance

8. g. Thunderstorm hazards and avoidance

9. Ground Training - Task C: Weather Services

PA.I.C

10. a. METAR/SPECI decoding and interpretation

11. b. TAF decoding and interpretation

12. c. PIREPs (UA/UUA) and their value

13. d. AIRMETs and SIGMETs

14. e. Graphical Forecast for Aviation (GFA)

15. f. Winds and temperatures aloft

16. g. Convective outlook and radar interpretation

17. h. Practical weather scenarios (3 go/no-go decisions)

18. Solo practice on deficient maneuvers from Flights 1 and 2 - Do

19. Steep turns (if deficient) - Do

PA.V.A

20. Slow flight and stalls (if deficient) - Do

PA.VII.A PA.VII.B PA.VII.C

21. Ground reference maneuvers (if deficient) - Do

PA.V.B

22. Short-field operations (if deficient) - Do

PA.IV.E PA.IV.F

23. Traffic pattern operations - Do

PA.III.B PA.IV.A PA.IV.B

24. After landing and securing - Do

PA.XII.A

25. Postflight self-debrief and homework

ITEMS NEEDED FOR SUCCESS

- Task C Study Guide
- PHAK Chapters 12-13
- Current METARs and TAFs for practice
- Weather charts
- ACS standards reference

COMPLETION STANDARDS

Homework

Weather Handbook 8083-28A

PHAK Ch 12-13

AC 91-74B

AC 91-92

Realm of Flight PDF

Task C Study Guide

Weather Theory and Services Homework

3 weather scenario exercises

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

Lesson 33. Checkride Prep: Ground Knowledge Week 4 (Tasks D, E, F) + Flight Review

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

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

GROUND TIME

OBJECTIVE

Ground: Task D (Cross-Country Flight Planning) covers E6B/CX3, nav log, flight plan, weight and balance, fuel planning. Task E (National Airspace System) covers all airspace classes, special use airspace, TFRs. Task F (Performance and Limitations) covers density altitude, performance charts, weight and balance. Flight: Review all deficiencies from Flights 1 and 2, practice all maneuvers.

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 D: Cross-Country Flight Planning

PA.I.D

2. a. E6B/CX3 flight computer operations

3. b. Navigation log preparation

4. c. VFR flight plan filing

5. d. Weight and balance computation

6. e. Fuel planning and management

7. f. Chart interpretation and route selection

8. Ground Training - Task E: National Airspace System

PA.I.E

9. a. Airspace classes (A, B, C, D, E, G) - requirements and dimensions

10. b. Special use airspace (prohibited, restricted, MOA, alert, warning)

11. c. Other airspace (TFRs, ADIZ, FRZ, wildlife refuges)

12. d. VFR cloud clearance and visibility requirements

13. e. Special VFR

14. Ground Training - Task F: Performance and Limitations

PA.I.F

15. a. Density altitude effects on performance

16. b. Takeoff and landing distance charts

17. c. Climb and cruise performance charts

18. d. Weight and balance limits and calculations

19. e. Effects of weight on performance

20. Preflight inspection - Do

PA.II.A PA.I.A PA.I.B

21. Engine start and taxi - Do

PA.II.C PA.II.D

22. Pre-takeoff check - Do

PA.II.F

23. Radio communications with flight following - Do

PA.III.A PA.VIII.F

24. Normal takeoff and climb - Do

PA.IV.A

25. Review deficient maneuvers from Flights 1 and 2 - Practice (as needed)

26. Diversion practice - Practice

PA.VI.C

27. Lost procedures practice - Practice

PA.VI.D

28. Pilotage and dead reckoning - Practice

PA.VI.A

29. Navigation systems review - Practice

PA.VI.B

30. Instrument work (straight-and-level, climbs, descents, turns to headings) - Practice

PA.VIII.A PA.VIII.B PA.VIII.C PA.VIII.D

31. Recovery from unusual attitudes - Practice

PA.VIII.E

32. Normal approach and landing - Do

PA.IV.B

33. After landing and securing - Do

PA.XII.A

34. Postflight debrief and homework

ITEMS NEEDED FOR SUCCESS

- ACS standards reference
- E6B or CX3 flight computer
- Plotter
- Sectional Chart
- Task D/E/F Study Guides
- PHAK Chapters 10-11 and 15-16
- View-limiting device

COMPLETION STANDARDS

Homework

PHAK Ch 10-11, 15-16

CX3/E6B manual

AC 91-79B

Aviation Chart User Guide

North Aero Airspace Video

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

Lesson 34. Simulated Checkride: Oral Exam

Pre-Flight: 3.0 hr | Dual: 0 hr | Solo: 0 hr | Post-Flight: 0.5 hr

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

OBJECTIVE

Full oral exam simulation covering all ACS knowledge areas. Scenario-based questioning using actual weather data and a planned cross-country. Student must demonstrate knowledge to ACS standard across all 8 knowledge tasks (A through H). Performance report identifies remaining deficiencies.

LESSON STEPS

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

1. Pre-exam setup: gather required documents (pilot certificate, medical, logbook, aircraft maintenance records, POH, current charts) - Do

PA.I.A PA.I.B

2. Oral Exam - Task A: Pilot Qualifications

PA.I.A

3. Oral Exam - Task B: Airworthiness Requirements

PA.I.B

4. Oral Exam - Task C: Weather Information (using actual weather)

PA.I.C

5. Oral Exam - Task D: Cross-Country Flight Planning (plan actual XC)

PA.I.D

6. Oral Exam - Task E: National Airspace System

PA.I.E

7. Oral Exam - Task F: Performance and Limitations

PA.I.F

8. Oral Exam - Task G: Operation of Systems

PA.I.G

9. Oral Exam - Task H: Human Factors

PA.I.H

10. Performance evaluation and deficiency debrief

ITEMS NEEDED FOR SUCCESS

- Pilot certificate
- Medical certificate
- Photo ID
- Aircraft logbooks
- Aircraft POH
- Current Sectional Chart
- Current AF/D
- E6B/CX3
- Plotter
- Completed XC flight plan
- Current weather data

- ACS standards reference

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

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

Lesson 35. Simulated Checkride: Flight Exam

Pre-Flight: 0.5 hr | Dual: 2.0 hr | Solo: 0 hr | Post-Flight: 0.5 hr

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

OBJECTIVE

Full flight exam simulation with a different CFI acting as examiner whenever possible. All required maneuvers performed to ACS standard. Follows ACS checkride flow: preflight, departure, XC segment, diversion, maneuvers, instrument work, landings, emergency procedures.

LESSON STEPS

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

1. Pre-flight brief on checkride format and expectations - Do
PA.II.A PA.II.B PA.I.A PA.I.B
2. Preflight inspection (examiner evaluates) - Do
PA.II.C PA.II.D
3. Engine start and taxi (examiner evaluates) - Do
PA.II.E
4. Pre-takeoff check - Do
PA.III.A
5. Normal takeoff and climb (XC departure) - Do
PA.IV.A PA.III.B
6. Cross-country navigation segment - Do
PA.VI.A PA.VI.B
7. Diversion - Do
PA.VI.C
8. Steep turns - Do
PA.V.A
9. Slow flight - Do
PA.VII.A
10. Power-off stalls - Do
PA.VII.B
11. Power-on stalls - Do
PA.VII.C
12. Spin awareness discussion - Do
PA.VII.D
13. Ground reference maneuvers - Do
PA.V.B
14. Instrument work under hood (straight-and-level, turns, climbs, descents, unusual attitudes) - Do
PA.VIII.A-E

16. Radio navigation - Do

PA.VIII.F

17. Emergency descent - Do

PA.IX.A

18. Emergency approach and landing (simulated) - Do

PA.IX.B

19. Systems malfunction - Do

PA.IX.C

20. Short-field takeoff and landing - Do

PA.IV.E PA.IV.F

21. Soft-field takeoff and landing - Do

PA.IV.C PA.IV.D

22. Forward slip to a landing - Do

PA.IV.M

23. Go-around/rejected landing - Do

PA.IV.N

24. Normal approach and landing - Do

PA.IV.B

25. After landing, parking, and securing - Do

PA.XII.A

26. Detailed examiner performance report and deficiency debrief

ITEMS NEEDED FOR SUCCESS

- All checkride-required documents
- Completed XC flight plan
- View-limiting device
- ACS standards reference

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

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

Lesson 36. Deficiency Review and Final Polish

Pre-Flight: 1.0 hr | Dual: 1.0 hr | Solo: 1.0 hr | Post-Flight: 0.5 hr

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

OBJECTIVE

Address deficiencies identified in simulated checkride (oral and flight). Targeted dual practice on weak areas followed by solo practice for confidence building. CFI provides final sign-off (practical test endorsement) when student demonstrates consistent ACS-standard performance.

LESSON STEPS

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

1. Deficiency review discussion (oral exam weak areas) - Do

PA.I.A-H as needed

2. Preflight inspection - Do

PA.II.A PA.I.B

3. Engine start and taxi - Do

PA.II.C PA.II.D

4. Pre-takeoff check - Do

PA.II.F

5. Radio communications - Do

PA.III.A

6. Dual practice on flight deficiencies (targeted maneuvers) - Practice

as identified

7. Demonstrate proficiency on all previously deficient maneuvers - Do

8. Solo practice for confidence building - Do

9. Normal approach and landing - Do

PA.IV.B

10. After landing and securing - Do

PA.XII.A

11. Final proficiency assessment

12. Practical test endorsement (when ready)

61.103(f)(2) 61.107(b)(1)

ITEMS NEEDED FOR SUCCESS

- Simulated checkride performance reports
- ACS standards reference
- Endorsement page in logbook

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

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

Lesson 37. Checkride

Pre-Flight: 0 hr | Dual: 0 hr | Solo: 0 hr | Post-Flight: 0 hr

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

OBJECTIVE

Student takes the FAA Practical Test (checkride) with a Designated Pilot Examiner (DPE). This is the culmination of all training. Student demonstrates all knowledge and skill areas 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. Arrive with all required documents

2. a. Pilot certificate (student)

3. b. Medical certificate or BasicMed

4. c. Photo identification

5. d. Aircraft logbooks (current inspections)

6. e. Aircraft POH

7. f. Current Sectional Chart and AF/D

8. g. Completed cross-country flight plan

9. h. E6B/CX3 and plotter

10. i. View-limiting device

11. j. Knowledge test results (IACRA)

12. k. Instructor endorsements (logbook)

13. l. CFI certificate copy

14. Oral Examination with DPE

PA.I.A through PA.I.H PA.I.B

15. Flight Examination with DPE

All ACS flight areas

16. Receive Temporary Airman Certificate upon successful completion

ITEMS NEEDED FOR SUCCESS

- All items listed in Task 1 above
- Payment for examiner fee
- Calm confidence and good aeronautical decision-making

COMPLETION STANDARDS

Meet the objective above. Each step is complete when performed to the standard of the lesson.

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