

## APPLICANT'S PRACTICAL TEST CHECKLIST

### APPOINTMENT WITH EXAMINER:

EXAMINER'S NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

DATE/TIME \_\_\_\_\_

#### ACCEPTABLE AIRCRAFT

- Aircraft Documents:
  - Airworthiness Certificate
  - Registration Certificate
  - Operating Limitations
- Aircraft Maintenance Records:
  - Logbook Record of Airworthiness Inspections and AD Compliance
- Pilot's Operating Handbook, FAA-Approved  
Airplane Flight Manual

#### PERSONAL EQUIPMENT

- View-Limiting Device
  - Current Aeronautical Charts
- Computer and Plotter
- Flight Plan Form
- Flight Logs
- Current AIM, Airport Facility Directory, and Appropriate Publications

#### PERSONAL RECORDS

- Identification—Photo/Signature ID
- Pilot Certificate
- Current and Appropriate Medical Certificate
- Completed FAA Form 8710-1, Airman Certificate and/or Rating Application with Instructor's Signature (if applicable)
- Computer Test Report
- Pilot Logbook with appropriate Instructor Endorsements
- FAA Form 8060-5, Notice of Disapproval (if applicable)
- Approved School Graduation Certificate (if applicable)
- Examiner's Fee (if applicable)

**Airplane Single-Engine Land  
And  
Airplane Single-Engine Sea**

**APPLICANT'S NAME** \_\_\_\_\_

**LOCATION** \_\_\_\_\_

**DATE/TIME** \_\_\_\_\_

**I. PREFLIGHT PREPARATION**

- A. Certificates and Documents (ASEL and ASES)
- B. Airworthiness Requirements (ASEL and ASES)
- C. Weather Information (ASEL and ASES)
- D. Cross-Country Flight Planning (ASEL and ASES)
- E. National Airspace System (ASEL and ASES)
- F. Performance and Limitations (ASEL and ASES)
- G. Operation of Systems (ASEL and ASES)
- H. Water and Seaplane Characteristics (ASES)
- I. Seaplane Bases, Maritime Rules, and Aids to Marine Navigation (ASES)
- J. Aeromedical Factors (ASEL and ASES)

**II. PREFLIGHT PROCEDURES**

- A. Preflight Inspection (ASEL and ASES)
- B. Cockpit Management (ASEL and ASES)
- C. Engine Starting (ASEL and ASES)
- D. Taxiing (ASEL)
- E. Taxiing and Sailing (ASES)
- F. Before Takeoff Check (ASEL and ASES)

**III. AIRPORT AND SEAPLANE BASE OPERATIONS**

- A. Radio Communications and ATC Light Signals (ASEL and ASES)
- B. Traffic Patterns (ASEL and ASES)
- C. Airport/Seaplane Base, Runway, and Taxiway Signs, Markings, and Lighting (ASEL and ASES)

**IV. TAKEOFFS, LANDINGS, AND GO-AROUNDS**

- A. Normal and Crosswind Takeoff and Climb (ASEL and ASES)
- B. Normal and Crosswind Approach and Landing (ASEL and ASES)
- C. Soft-Field Takeoff and Climb (ASEL)
- D. Soft-Field Approach and Landing (ASEL)
- E. Short-Field (Confined Area—ASES) Takeoff and Maximum Performance Climb (ASEL and ASES)
- F. Short-Field Approach (Confined Area—ASES) and Landing (ASEL and ASES)
- G. Glassy Water Takeoff and Climb (ASES)
- H. Glassy Water Approach and Landing (ASES)
- I. Rough Water Takeoff and Climb (ASES)
- J. Rough Water Approach and Landing (ASES)
- K. Power-Off 180° Accuracy Approach and Landing (ASEL and ASES)
- L. Go-Around/Rejected Landing (ASEL and ASES)

#### **V. PERFORMANCE MANEUVERS**

- A. Steep Turns (ASEL and ASES)
- B. Steep Spiral (ASEL and ASES)
- C. Chandelles (ASEL and ASES)
- D. Lazy Eights (ASEL and ASES)

#### **VI. GROUND REFERENCE MANEUVER**

- Eights on Pylons (ASEL and ASES)

#### **VII. NAVIGATION**

- A. Pilotage and Dead Reckoning (ASEL and ASES)
- B. Navigation Systems and Radar Services (ASEL and ASES)
- C. Diversion (ASEL and ASES)
- D. Lost Procedures (ASEL and ASES)

#### **VIII. SLOW FLIGHT AND STALLS**

- A. Maneuvering During Slow Flight (ASEL and ASES)
- B. Power-Off Stalls (ASEL and ASES)
- C. Power-On Stalls (ASEL and ASES)
- D. Spin Awareness (ASEL and ASES)

#### **IX. EMERGENCY OPERATIONS**

- A. Emergency Approach and Landing (Simulated) (ASEL and ASES)
- B. Systems and Equipment Malfunctions (ASEL and ASES)
- C. Emergency Equipment and Survival Gear (ASEL and ASES)

#### **X. HIGH ALTITUDE OPERATIONS**

- A. Supplemental Oxygen (ASEL and ASES)
- B. Pressurization (ASEL and ASES)

#### **XI. POSTFLIGHT PROCEDURES**

- A. After Landing, Parking, and Securing (ASEL and ASES)
- B. Anchoring (ASES)
- C. Docking and Mooring (ASES)
- D. Ramping/Beaching (ASES)

#### **I. AREA OF OPERATION: PREFLIGHT PREPARATION**

NOTE: The examiner shall develop a scenario based on real time weather to evaluate TASKs C and D.

**A. TASK: CERTIFICATES AND DOCUMENTS (ASEL and ASES)**

REFERENCES: 14 CFR parts 43, 61, 91; FAA-H-8083-3; AC 61- 23/FAA-H-8083-25; POH/AFM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to certificates and documents by:

1. Explaining—
  - a. commercial pilot certificate privileges limitations and recent flight experience requirements.
  - b. medical certificate class and duration.
  - c. pilot logbook or flight records.
2. Locating and explaining—
  - a. airworthiness and registration certificates.
  - b. operating limitations, placards, instrument markings, and POH/AFM.
  - c. weight and balance data and equipment list.

**B. TASK: AIRWORTHINESS REQUIREMENTS (ASEL and ASES)**

REFERENCES: 14 CFR part 91; AC 61-23/FAA-H-8083-25.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to airworthiness requirements by:

1. Explaining—
  - a. required instruments and equipment for day/night VFR.
  - b. procedures and limitations for determining airworthiness of the airplane with inoperative instruments and equipment with and without an MEL.
  - c. requirements and procedures for obtaining a special flight permit.

2. Locating and explaining—
  - a. airworthiness directives.
  - b. compliance records.
  - c. maintenance/inspection requirements.
  - d. appropriate record keeping.

**C. TASK: WEATHER INFORMATION (ASEL and ASES)**

REFERENCES: 14 CFR part 91; AC 00-6, AC 00-45, AC 61-23/FAA-H- 8083-25, AC 61-84; AIM.

**Objective.** To determine that the applicant:

1. Exhibits knowledge of the elements related to weather information by analyzing weather reports, charts, and forecasts from various sources with emphasis on—
  - a. METAR, TAF, and FA.
  - b. surface analysis chart.
  - c. radar summary chart.
  - d. winds and temperature aloft chart.
  - e. significant weather prognostic charts.
  - f. convective outlook chart.
  - g. AWOS, ASOS, and ATIS reports.
2. Makes a competent “go/no-go” decision based on available weather information.

**D. TASK: CROSS-COUNTRY FLIGHT PLANNING (ASEL and ASES)**

REFERENCES: 14 CFR part 91; AC 61-23/FAA-H-8083-25, AC 61-84; Navigation Charts; A/FD; AIM.

**Objective.** To determine that the applicant:

1. Exhibits knowledge of the elements related to cross-country flight planning by presenting and explaining a pre-planned VFR cross country flight, as previously assigned by the examiner. On the day of the practical test, the final flight plan shall be to the first fuel stop, based on maximum allowable passengers, baggage, and/or cargo loads using real time weather.
2. Uses appropriate and current aeronautical charts.
3. Properly identifies airspace, obstructions, and terrain features.
4. Selects easily identifiable en route checkpoints.
5. Selects most favorable altitudes considering weather conditions and equipment capabilities.
6. Computes headings, flight time, and fuel requirements.
7. Selects appropriate navigation system/facilities and communication frequencies.
8. Applies pertinent information from NOTAMs, A/FD, and other flight publications.
9. Completes a navigation log and simulates filing a VFR flight plan.

**E. TASK: NATIONAL AIRSPACE SYSTEM (ASEL and ASES)**

REFERENCES: 14 CFR part 71, 91; Navigation Charts; AIM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to the National Airspace System by explaining:

1. Basic VFR weather minimums—for all classes of airspace.
2. Airspace classes—their operating rules, pilot certification, and airplane equipment requirements for the following—
  - a. Class A.
  - b. Class B.
  - c. Class C.
  - d. Class D.
  - e. Class E.
  - f. Class G.
3. Special use and other airspace areas.

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**F. TASK: PERFORMANCE AND LIMITATIONS (ASEL and ASES)**

REFERENCES: AC 61-23/FAA-H-8083-25; FAA-H-8083-1; AC 61-84, POH/AFM.

**Objective.** To determine that the applicant:

1. Exhibits knowledge of the elements related to performance and limitations by explaining the use of charts, tables, and data to determine performance and the adverse effects of exceeding limitations.
2. Computes weight and balance. Determines if the computed weight and center of gravity is within the airplane's operating limitations and if the weight and center of gravity will remain within limits during all phases of flight.
3. Demonstrates use of the appropriate performance charts, tables, and data.
4. Describes the effects of atmospheric conditions on the airplane's performance.

**G. TASK: OPERATION OF SYSTEMS (ASEL and ASES)**

REFERENCES: AC 61-23/FAA-H-8083-25; POH/AFM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to the operation of systems on the airplane provided for the practical test, by explaining at least five (5) of the following systems.

1. Primary flight controls and trim.
2. Flaps, leading edge devices, and spoilers.
3. Water rudders (ASES).
4. Powerplant and propeller.
5. Landing gear.
6. Fuel, oil, and hydraulic.
7. Electrical.
8. Avionics.
9. Pitot-static, vacuum/pressure and associated flight instruments.
10. Environmental.
11. Deicing and anti-icing.

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**H. TASK: WATER AND SEAPLANE CHARACTERISTICS (ASES)**

REFERENCE: FAA-H-8083-3.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to water and seaplane characteristics by explaining:

1. The characteristics of a water surface as affected by features, such as—
  - a. size and location.
  - b. protected and unprotected areas.

- c. surface wind.
- d. direction and strength of water current.
- e. floating and partially submerged debris.
- f. sandbars, islands, and shoals.
- g. vessel traffic, and wakes.
- h. other features peculiar to the area.

2. Float and hull construction, and their effect on seaplane performance.

3. Causes of porpoising and skipping, and the pilot action required to prevent or correct these occurrences.

#### **I. TASK: SEAPLANE BASES, MARITIME RULES, AND AIDS TO MARINE NAVIGATION (ASES)**

REFERENCES: FAA-H-8083-3; AIM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to seaplane bases, maritime rules, and aids to marine navigation by explaining:

1. How to locate and identify seaplane bases on charts or in directories.
2. Operating restrictions at various bases.
3. Right-of-way, steering, and sailing rules pertinent to seaplane operation.
4. Marine navigation aids, such as buoys, beacons, lights, and sound signals.

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#### **J. TASK: AEROMEDICAL FACTORS (ASEL and ASES)**

REFERENCES: AC 61-23/FAA-H-8083-25; AIM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to aeromedical factors by explaining:

1. The symptoms, causes, effects, and corrective actions of at least four (4) of the following—

- a. hypoxia.
- b. hyperventilation.
- c. middle ear and sinus problems.
- d. spatial disorientation.
- e. motion sickness.
- f. carbon monoxide poisoning.
- g. stress and fatigue.
- h. dehydration.

2. The effects of alcohol, drugs, and over-the-counter medications.

3. The effects of excess nitrogen during scuba dives upon a pilot or passenger in flight.

**B. TASK: SYSTEMS AND EQUIPMENT MALFUNCTIONS (ASEL and ASES)**

REFERENCES: FAA-H-8083-3; POH/AFM.

**Objective.** To determine that the applicant:

1. Exhibits knowledge of the elements related to systems and equipment malfunctions appropriate to the airplane provided for the practical test.
2. Analyzes the situation and takes appropriate action for simulated emergencies appropriate to the airplane provided for the practical test for at least five (5) of the following:
  - a. partial or complete power loss.
  - b. engine roughness or overheat.
  - c. carburetor or induction icing
  - d. loss of oil pressure.
  - e. fuel starvation.
  - f. electrical malfunction.
  - g. vacuum/pressure, and associated flight instruments malfunction.
  - h. pitot/static
  - i. landing gear or flap malfunction.
  - j. inoperative trim.
  - k. inadvertant door or window opening.
  - l. structural icing.
  - m. smoke/fire/engine compartment fire.
  - n. any other emergency appropriate to the airplane.
3. Follows the appropriate checklist or procedure.

**C. TASK: EMERGENCY EQUIPMENT AND SURVIVAL GEAR (ASEL and ASES)**

REFERENCES: FAA-H-8083-3; POH/AFM.

**Objective.** To determine that the applicant:

Exhibits knowledge of the elements related to emergency equipment and survival gear appropriate to the airplane and environment encountered during flight. Identifies appropriate equipment that should be aboard the airplane.

## **X. AREA OF OPERATION: HIGH ALTITUDE OPERATIONS**

### **A. TASK: SUPPLEMENTAL OXYGEN (ASEL and ASES)**

REFERENCES: 14 CFR part 91; FAA-H-8083-3, AC 61-107; AIM; POH/AFM.

**Objective.** To determine that the applicant exhibits knowledge of the elements related to supplemental oxygen by explaining:

1. Supplemental oxygen requirements for flight crew and passengers when operating non-pressurized airplanes.
2. Identification and differences between “aviators' breathing oxygen” and other types.
3. Operational characteristics of continuous flow, demand, and pressure-demand oxygen systems.

### **B. TASK: PRESSURIZATION (ASEL and ASES)**

REFERENCES: FAA-H-8083-3, AC 61-107; AIM; POH/AFM.

**Objective.** To determine that the applicant:

1. Exhibits knowledge of the elements related to pressurization by explaining—
  - a. fundamental concept of cabin pressurization.
  - b. supplemental oxygen requirements when operating airplanes with pressurized cabins.
  - c. physiological hazards associated with high altitude flight and decompression.

**NOTE:** Element 2 applies only if the airplane provided for the practical test is equipped for pressurized flight operations.

1. Operates the pressurization system properly, and reacts appropriately to simulated pressurization malfunctions.