



## **AVIATION PILOT TRAINING**

(revised 8-8-2005)

### **Purpose**

To evaluate each contestant's piloting skills while operating a light aircraft in the vicinity of an uncontrolled airfield

First, refer to General Regulations, page 7.

### **Clothing Requirement**

Contestants may wear normal street attire suitable for the current weather conditions. Sunglasses are optional.

### **Eligibility**

Open to active SkillsUSA Virginia members enrolled in high school programs with Federal Aviation Administration (FAA) private pilot certification as the objective.

### **Equipment and Materials**

#### **1. Supplied by the home school:**

- a. Light aircraft normally flown in the contestant's pilot training program.
- b. Aircraft documents and the FAA publications pertaining to the airfield at which the contest will take place.

#### **2. Supplied by the contestants:**

- a. Pilot's Logbook and appropriate FAA certificates.
- b. Pencils, papers, and notes deemed necessary to safely and successfully compete in the contest.
- c. One page personal resume' to be handed in at the beginning of the contest.

### **Scope of the Contest**

1. The scope of the contest will be consistent with Stage II, Flight 9 (Solo Evaluation) of the Jeppesen-Sanderson Private Pilot Syllabus. A copy of this syllabus is available from Jeppesen-Sanderson, Inc., 55 Inverness Drive East, Englewood, CO 80112-5498. Send \$6.00 to cover publication, postage, and handling.

2. Contestants will demonstrate their ability to perform the following competencies:

- a. Preflight aircraft using appropriate checklists.
- b. Engine start, warm up, and taxi using appropriate procedures and checklists.
- c. Perform radio communications with appropriate agencies following Federal Aviation Regulations (FARs).
- d. Perform engine run-up using appropriate checklists.
- e. Perform normal takeoff, climbout, and departure of traffic pattern.
- f. Take appropriate action following two equipment/ aircraft malfunctions.
- g. Reenter traffic pattern from ten miles out according to FARs.
- h. Accomplish one full flap, touch-and-go landing as close to the touch down markings as possible.

(page 2, Aviation Rules)

- i. Takeoff, proceed downwind, and accomplish one no-flap landing to a full stop. The landing will be as close to the runway touch down markings as possible.
  - j. Taxi to ramp, parking as close to wheel markings as possible, and shut down engine.
  - k. Secure the aircraft according to appropriate procedures.
3. Since contestants will be judged according to how they comply with the FARs on all operations, no written test on FARs will be administered.
  4. Contestants will be accompanied by a neutral FAA Examiner. If a neutral FAA Examiner is not available, a Certified Flight Instructor (CFI) who normally instructs in the type aircraft flown in the competition may be used as a judge.
  5. A total of ten flight operations will be assigned. Each operation will be broken down into specific items and points awarded based on complexity.

**Contestants must present a one page personal resume' at the beginning of the contest.**

# Aviation Pilot Training Grade Sheet

## OPERATION EVALUATED

ITEM	POSSIBLE POINTS	POINTS AWARD
ONE PAGE PERSONAL RESUME'	10	
Operation #1 (Preflight) ED		
Cockpit	2	
Stbd Wing	5	
Eng/Prop	3	
Port Wing	5	
PortAftFus	1	
Empennage	5	
StbdAftFus	1	
Use of Checklist	3	
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Subtotal	25	
Operation #2 (Engine Start, Warm up, Taxi)		
Start Proc	5	
Warm up Proc	2	
Use of Checklist	3	
Taxi	3	
speed	(1)	
wind correction	(1)	
control	(1)	
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Subtotal	13	
Operation #3 (Radio Procedures)		
Proper Freq's	1	
Proper Calls	5	
IAW FARs		
Voice Procedures	2	
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Subtotal	8	
Operation #4 (Engine Run-up)		
Procedure	3	
Use of Checklist	3	
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Subtotal	6	

Operation #5 (Takeoff, Climbout, Departure)

RW Centerline	1
CW Correction	1
Rotation	1
Airspeed Control	3
Use of Checklists	5
Depr Procedure	1
JAW FARs	
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Subtotal	12

Operation #6 (Emergency Procedures)

Acft Control	3
Use of Checklists	3
Time	1
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Subtotal	7

Operation #7 (Traffic Pattern/Full Flap Landing)

Reentry	3
Alt/AS/FAR	
Downwind	2
Alt/AS	
Base Leg	2
lt/AS	
Final	2
Alt/AS	
Landing	8
TD spot	(5)
TD technique	(3)
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Subtotal	17

Operation #8 (Traffic Pattern/No Flap Landing)

Takeoff	4
AS/Acft Cntrl	(2)
Checklist	(2)
Climbout/X-leg	2
AS	(1)
Checklist	(1)
Downwind Alt/AS	2
Base leg Al/AS	2
Final Alt/AS	2
Landing	8
TD spot	(5)
TD technique	(3)
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Subtotal	20

(page 2, Aviation Score Sheet)

Operation #9 (Taxi/Park/ Shutdown)

Clear RW	1
Taxi to Ramp	3
Speed	(1)
Wind Correction	(1)
Control	(1)
Parking	6
Control	(1)
Wheel markings	(5)
Shutdown	2
Use of Checklist	

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Subtotal	12
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Operation #10 (Secure Aircraft)

Chocks	1
Tiedowns	3
Postflight Insp	2

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Subtotal	6
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TOTAL POSSIBLE

136

TOTAL SCORE

