

GLIDER QUESTIONNAIRE

Name: Kentucky Wing Grade: _____ CAPID: _____

Unit: _____ Date: _____

Check Pilot: _____ Grade: _____ CAPID: _____

Score: NA Type/Model Aircraft: SGS 2-33

Complete this open-book questionnaire using the *Flight Manual/Pilot's Operating Handbook*. If a question or part of a question is not applicable, write in NA. Prior to the flight the check pilot will review the questionnaire with the examinee. All questions will be corrected to 100%. The corrected questionnaire will be filed in the pilot's flight records.

1. List the airspeed for the following flight characteristics and limitations:

	Solo	Dual
a. Best Glide Speed	<u>45</u>	<u>50</u>
b. Minimum Sink Speed	<u>38</u>	<u>42</u>
c. Stall Speed (straight ahead)	<u>31</u>	<u>33</u>
d. Stall Speed (30-degree bank)	<u>33.5</u>	<u>33.5</u>
e. Maximum Aero Tow Speed	<u>98</u>	<u>98</u>
f. Maximum Auto/Winch Tow Speed	<u>69</u>	<u>69</u>
g. VNE (velocity not to exceed)(redline)	<u>98</u>	<u>98</u>
h. Va (maneuvering speed)	<u>65</u>	<u>65</u>
i. Pattern Speed	<u>45</u>	<u>50</u>

2. Give your immediate action for a rope or cable break?

Nose down, safe flying speed, landing protocol as #3 below.

3. Explain your plan for a rope/cable break at the following altitudes:

- a. Below 200 feet agl, above ground level. Straight ahead avoid tow plane/obstacles
- b. Above 200 feet agl, above ground level. L/D, turn into wind if crossed, consider traffic flow
- c. Above 800 feet agl, above ground level. L/D, enter normal or abbreviated pattern

4. Define "ABCCCD":

- A altimeter
- B belts/ballast/brakes
- C controls
- C cable
- C canopy
- D direction of wind (or dive brakes)

5. Define "STALL" or "USTALL":

- U undercarriage
- S speed
- T trim
- A airbrakes
- L look
- L land

6. What is the maximum demonstrated takeoff/landing crosswind component? 15

7. List and explain the steps in spin recovery?

Opposite rudder to stop rotation, ailerons neutral, after rotation stops back elevator to recover from dive.

8. What is the minimum front/single seat weight? 155 without ballast, 110 with ballast (19.5 lbs)

9. Maximum gross takeoff weight is 1040 pounds. Empty weight is 612 pounds.

Useful load is 428 pounds.

10. Complete a weight and balance problem using both your and your check pilot's weights.