

# ArkanSTOL 2023 Competition Rules



## **Highlights:**

- Scoring: time+distance+penalties
  - lowest number wins.
- NO HANDICAP scoring.
- Removal of scratch line on River.
- Reference line for start.
- All timers will be manually operated.
- Run time in seconds.
- Landing Distance in feet and inches.
  - Conventional measuring tape + Digital Backup
- **Penalties.**
  - 200-foot landing zone added to Traveler.
  - Pylon busts at Driftwood.
  - 10 points added to score for each occurrence.
- **Disqualifications (DQs).**
  - Pylon bust at River.
  - Airplane departing mowed areas.
  - Erratic, unsafe flying.

## • **Competing categories.**

- 100 HP or less and NO FLAPS - (new category for 2023)
  - Light Sport - (Max GW up to 1,320 lbs)
  - Bush - (Max GW 1321 lbs - 2300 lbs)
  - Touring - (Max GW 2301 lbs & above or originally 4 place)
  - Unlimited - (new category for 2023)
- \* Any competitor of the above categories may choose to compete in the Unlimited category
- \* Competitors are restricted to register and fly in only one category.
- \* A minimum of two competitors required in each category. The category will be canceled if less than two competitors register for that category.

***The judging for this year will be simplified. Time, landing distance and penalties. That's it. Simply add them all up and the lowest score wins.***

### **SCORING DETAILS:**

Run time will be in seconds and landing distance measured in feet (inches in fraction). Any penalties will be added to finalize the score. Any part of an aircraft below a path between the top of one pylon to the adjacent pylon will be considered a pylon bust. Disqualifications (DQs) for the final Pylon (if busted) on your return to the River runway. We will be focusing heavily on professional safe flying! Possible disqualifications (DQs) for erratic, unsafe flying e.g., low wingtip clearance on the departure end of Traveler. DQs will also be enforced if the airplane's main gear departs the mowed surface at each runway, excluding a "taxi speed" turnaround for the next takeoff.

### **COURSE OF RUN:**

Start your run from the West end of the River Runway, heading East to Traveler Runway. Two reference lines will be painted across the South end of Traveler Runway, one at the approach end (beginning of the runway), the second line at 200 feet from the first reference line going North down the runway. Judges will be in position to monitor your landing and takeoff, if you land prior to the first reference line, or if you do not land on or before the 200-foot line a penalty of ten points will be added to your score. On the subsequent takeoff from Traveler an additional ten points will be added to your score if you are not off the ground prior to the reference mark at the end of the runway. These judges will also be tasked with observing flight path for erratic, unsafe flying. If observed, recorded video may be reviewed by the safety team.

Depart from Traveler in a continuous climb, heading to Driftwood Runway for a landing. Pylons located at the beginning of Driftwood will be judged for arriving and departing this runway, with ten points added to your score for each pylon bust as seen by the judges, on arrival and departure.

Depart Driftwood in continuous climb heading back to the River Runway for the final landing of the run. The pylons on the River Runway must be cleared or a DQ (disqualification) for the entire run will be recorded. Video will be provided to settle a dispute. Landings on The River Runway will have the distance recorded. The base (East side) of the North Pylon will be the benchmark to take the landing distance measurements for both a conventional measuring tape (controlling) and the electronic measurement. Scoring of the landing distance will be to a **full stop**, no main gear movement. Measurements in feet and inches in fractions, from a conventional measuring tape secured to the ground as the primary controlling measurement. Digital measurement back to the pylons will be secondary along with photos of your wheel axle, measurement on the ground and the digital distance back to the Pylon.

**The ArkanSTOL Backwoods Challenge, where "SPEED MEETS PRECISION".**