



## Takeoff & Climbout

Cherokee settings, Archer settings are highlighted

### ➤ Takeoff Briefing

- Completed prior to taking the runway
- **If there is an issue with the aircraft and I am...**
  - Still on the runway, I will immediately reduce throttle to idle, smoothly apply brakes, and exit the runway
  - Off the ground with runway remaining in front of me, I will immediately reduce throttle to idle and land straight ahead
  - Off the ground with no runway remaining in front of me, I will maintain  $V_g$  and continue straight ahead towards an open field.

### ➤ Normal Takeoff

- Airplane pointed straight down the runway on the centerline
- Feet off the brakes
- Smoothly apply full throttle over the course of ~2 seconds
- Verify & Vocalize RPMs at 2300
- Verify & Vocalize Engine Instruments in the green
- Utilize rudders to maintain on centerline
- Rotate at  $V_r$  60mph **55kts**
- Keep trees in sight at the end of the runway as the airplane accelerates
- Trim and Maintain the aircraft to  $V_y$  89mph **76kts**

### ➤ Climbout

- Clear of all obstacles, retract all flaps
- Above 400' AGL initiate turn to crosswind
- Above 1000' AGL and leaving the traffic pattern
  - Fuel Pump Off
- Continue climb in traffic pattern until you can reasonably turn on heading