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# Power-On Stalls

## Cliff Notes<sup>1</sup>

First set up for the maneuver by doing The 3 C's...

**CLIMB:** *Select an entry altitude that will allow the Task to be completed no lower than 1,500 feet AGL (ASEL, ASES) or 3,000 feet AGL (AMEL, AMES).*

**CONFIGURE:** *Establish the takeoff, departure, or cruise configuration, as specified by the evaluator. Set power (as assigned by the evaluator) to no less than 65 percent available power.*

**CLEAR:** *For traffic as needed, including above and below you.*

## HOW TO DO IT<sup>2</sup>

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<sup>1</sup> ACS Task VII. C. See also the FAA Airplane Flying Handbook, available online.

<sup>2</sup> **Bold print represents ACS standards that must be met**



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- ✓ Maintain **heading (+/- 10° Commercial & Private)**, or...
- ✓ During turns, **bank angle not greater than 20° (+/- 10° Commercial & Private)**
- ✓ Transition smoothly from the takeoff or departure attitude to the pitch attitude that will induce a stall
- ✓ Recover by simultaneously reducing pitch, and adding power if available
  - Then level wings if needed
- ✓ Retract flaps to recommended setting if applicable
- ✓ Accelerate to  $V_x$  or  $V_y$ , then pitch up slightly to maintain
- ✓ Raise gear after positive rate if applicable
- ✓ Final flap retraction after positive rate of climb if applicable