

CAMS PILOT CERTIFICATION PROCEDURE

The following procedures are designed to show the Certifier/Safety Officer /Safety Officer that the member/Pilot understands the CAMs General Field Rules, the CAMs Flying Requirements, and the safe operation of their aircraft at all times.

PIT/STARTING AREA:

1. The Pilot must have in their possession a valid CAMs membership card, current AMA membership card, and the proper frequency PIN for their aircraft (if applicable).
2. On **GLOW/GAS** powered aircraft, the Pilot must show the Certifier/Safety Officer that aircraft is properly set up for safe flight, all control linkages are secured to prevent disconnection, and that battery, fuel tank and receiver are secured to aircraft. Pilot must have the data for the correct CG measurement and control throws for all surfaces. Receiver battery level must be load checked for sufficient charge for a safe flight (5.0 VDC minimum for 4.8 VDC packs and 6.2VDC minimum for 6 VDC packs).
3. On **ELECTRIC** aircraft, the Pilot must show the Certifier/Safety Officer that aircraft is properly set up for safe flight, that all control linkages are secured to prevent disconnection, that battery, ESC, and receiver are secured to aircraft. Pilot must have the data for the correct CG measurement and control throws for all surfaces.
4. On **GLOW/GAS** powered aircraft, the Pilot must show familiarity with their aircraft (i.e.) how to fuel it safely, check the control surfaces for proper operation and safe starting procedures.
5. On **ELECTRIC** powered aircraft, the Pilot must show familiarity with their aircraft (i.e.) ensure the motor battery **IS NOT** connected to the motor system in the pits.
6. The Pilot must show safe handling of the running aircraft while transporting (if necessary) to the Pilot Station .

GLOW/GAS TAKE-OFF PROCEDURE:

1. The Pilot must check all of their aircraft's control surfaces for proper operation.
2. The Pilot must stand behind the fenced area of the Pilot Station at all times that they are operating their aircraft.
3. The Pilot must check the flight line and runway area for any personnel or debris on the runway area.
4. When the runway is clear, the Pilot must call out in a **LOUD** voice "**TAKING OFF**" to ensure all personnel on the flight line are aware of their intentions to launch their aircraft.
5. The Pilot will then taxi their aircraft out onto the runway orientating the aircraft into the wind and safely proceed to accelerate the aircraft until the aircraft is ready to fly, and then lift the aircraft off of the runway.

6. After the aircraft has reached a safe altitude (Comfortable for Pilot and Certifier/Safety Officer), the Pilot should perform a correct and safe procedural turn and enter the flying field pattern.

ELECTRIC TAKE-OFF PROCEDURE:

1. The Pilot must safely connect the motor battery/ARM the motor system, check the control surfaces for proper operation, and verify proper motor operation.
2. The Pilot must stand behind the fenced area of the Pilot Station at all times that they are operating their aircraft.
3. The Pilot must check the flight line and runway area for any personnel or debris on the runway area.
4. When the runway is clear, the Pilot must call out in a **LOUD** voice “**TAKING OFF**” to ensure all personnel on the flight line are aware of their intentions to launch their aircraft.
5. The Pilot will then taxi their aircraft out onto the runway orientating the aircraft into the wind and safely proceed to accelerate the aircraft until the aircraft is ready to fly, and then lift the aircraft off of the runway.
6. After the aircraft has reached a safe altitude (Comfortable for Pilot and Certifier/Safety Officer), the Pilot should perform a correct and safe procedural turn and enter the flying field pattern.

FIGURE 8 PATTERN:

1. As soon as the Pilot is comfortable flying, they should put their aircraft into a figure 8 pattern completing at least 1 circuit while safely controlling their aircraft at all times.
2. When the Certifier/Safety Officer is satisfied, the Pilot may exit the figure 8 circuit and continue into the flying pattern. The Pilot shall only start the landing procedure when the Certifier/Safety Officer is satisfied on the ability of the Pilot.

LANDING PROCEDURE:

1. The Pilot shall check the runway to ensure that it is clear of aircraft and/or personnel
2. The Pilot shall call out in a **LOUD** voice “**LANDING**” to transmit their intentions to enter the landing pattern and to land their aircraft.
3. The Pilot shall then use correct procedural turns to align their aircraft with the runway flying into the wind and begin their approach.

4. The Pilot shall proceed to land their aircraft safely. If at any time the aircraft shows signs of non-control, the Pilot shall gain altitude and proceed to go around the pattern and try again.
5. Once the aircraft is on the ground, the Pilot shall shut down the engine/motor and stop the aircraft movement
6. The Pilot shall then safely retrieve their aircraft. If the aircraft is on the runway or on the field across the runway, the Pilot shall ensure no other aircraft is on a landing approach or on the runway and then call out in a **LOUD** voice “**CROSSING THE RUNWAY**” and then retrieve their aircraft.
7. The Pilot, **PRIOR** to entering the pit area must ensure all aircraft switches are in the **OFF** position and in the case of electric aircraft that the battery/motor circuit is **BROKEN** by either disconnecting the battery or by opening the arming device. The Pilot then (and only then) must ensure that their transmitter power switch is set to the **OFF** position.

CERTIFICATION:

1. The Certifier/Safety Officer may ask the Pilot to repeat any or all of the Certification process over again until the Certifier/Safety Officer is satisfied with the Pilot’s ability to safely operate their RC controlled aircraft.
2. Once satisfied, the Certifier/Safety Officer will pronounce the Pilot is qualified to operate RC controlled aircraft at the CAMS field. Until that time, the Pilot **CANNOT** fly their RC Controlled aircraft unassisted.

PILOT _____ DATE _____

CERTIFIER/SAFETY OFFICER _____ DATE _____