

Culpeper Model Barnstormers
(C M B) AMA #4894
Member's Handbook (as of 1 February 2020)

Lenn Park Model Airpark RULES

1. All users of the Lenn Model Airpark will comply with Culpeper Parks and Recreation Department Rules and Regulations as posted at the entrance to Lenn Park.
2. The posted hours of operation of the Lenn Model Airpark are those of Lenn Park, which may supersede from time to time those listed below.
3. Do not exceed 5 mph while driving on or around the Lenn Model Airpark.
4. There will be no alcoholic beverages allowed on the Lenn Model Airpark.
5. No pilot will fly while under the influence of alcohol, medications, drugs, or any other substances.
6. No explosives or fireworks of any kind are allowed at Lenn Model Airpark at any time.
7. Fuel (flame) turbine or jet powered aircraft / vehicles are not allowed to operate at Lenn Model Airpark.
8. No model aircraft flying will be conducted at Lenn Model Airpark after dusk.
9. Wet fuel engines may not be operated at Lenn Model Airpark before 9:00 a.m. or after dusk.
10. No operations will be permitted after 9:00 p.m.
11. You must be a CMB member or guest accompanied by a CMB member to use the Lenn Model Airpark.
 - a. A guest shall be permitted to fly for one day.
 - b. After that, the guest would have to join CMB to continue flying at the Lenn Model Airpark.
 - c. The one exception would be a guest that is from out of town visiting a CMB member, not to exceed two weeks.
12. All flying CMB members and flying guests are required to sign in on the log book located in the Club's green metal box.
13. All flyers must be current Academy of Model Aeronautics (AMA) members.
14. All AMA rules and regulations as outlined in the current AMA Members Manual apply at Lenn Model Airpark.
15. Use of 72MHz frequency control pins (not including spread spectrum) is required at Lenn Model Airpark.
16. 72MHz transmitters will not be turned on unless the flyer has the correct frequency pin and it is attached to the transmitter when in use.
17. When obtaining a 72MHz frequency control pin, a flyer will leave his current CMB and AMA membership cards (or only his AMA membership card if he is a guest) in the associated frequency control pin slot. Spread spectrum pilots must clip their cards on the 2.4GHz board located above the Club's green metal box.
18. If more than one flyer with the same 72MHz frequency or four (4) flying spread spectrum flyers are present, maximum time of frequency pin possession/spread spectrum flying is 15 minutes.

19. 72MHz transmitters must be impounded when more than 8 flyers, present at Lenn Model Airpark, are using 72MHz systems.
20. All 72MHz transmitters must have an AMA gold sticker (narrow-band) if manufactured prior to 1992.
21. All receivers are to be of the narrow-band type of operation at 20 KHz frequency separation. (The 27 MHz, 53 MHz, and 2.4GHz bands are exempt from these requirements.)
22. The use of transmitters on frequencies in the Amateur Radio Service bands above 50 MHz is restricted to persons holding either a Technician, General, Advanced or Extra class Amateur Radio Service License issued by the FCC.
23. The owner of a model aircraft will insure that narrow-band requirements are met before the aircraft is allowed to fly. Any CMB Member may inspect any aircraft to insure that it complies with the narrow-band receiver requirement.
24. Model airplane size may not exceed 55 lbs. in weight.
25. Effective mufflers are required on all engines larger than 0.10 cubic inches to suppress noise.
26. All aircraft flying at Lenn Model Airpark shall not exceed Culpeper County sound thresholds. (The threshold is 98 dBA measured at 3 meters, measured with “a” scale, and “slow response”, off the wingtip, on dirt or short grass.)
27. Spinners or rounded safety nuts are required on all engines in use at Lenn Model Airpark.
28. Engines should not be stopped by contact with spinner or propeller, except in emergencies.
29. All flyers shall perform an adequate aircraft pre-flight inspection and transmitter/receiver range check prior to their first flight/use of the day. All aircraft will be physically restrained, or the provided benches used, whenever the aircraft engine is started or the flight battery connected; until the aircraft has been placed on the runway for takeoff. Use of any “transmitter inhibit” function is specifically declared inadequate to meet the intent of this requirement. For larger electric powered aircraft, the use of arming plugs is strongly encouraged. All aircraft engines/motors will be shut down/turned off prior to the aircraft reentering the pit area. Under no circumstances will aircraft be taxied out of/into the pit area. In addition, when taxiing back to the runway area adjacent to the pits; flyers may only taxi their aircraft parallel to the safety line and shall not allow their aircraft, while the engine is running or the flight battery connected, to point into the pits.
30. CMB Members and flying guests are required to use a fuel recovery system. Overflow fuel will be disposed of properly away from the Lenn Park property.
31. Extended operation of model aircraft engines for “extended run up” will not be permitted in the pit area.
32. Flyers are responsible for damage he or she causes to other(s) Property.
33. No more than four (4) model aircraft in the air at one time.
34. All over the runway area flying must be conducted in front of the designated flight safety line within the boundaries of the Lenn Model Airpark Overfly Area. But, at no time vertically over people, the ball fields, or anywhere near buildings on the property.
35. Fixed wing aircraft takeoffs will commence from the designated Runway Area.
36. No model aircraft flight maneuvers known as “torque rolls” will be permitted over the Runway Area being the short grass landing and take off runway or strip.

37. Model Helicopter and multi-rotor aircraft Procedures:
- a. No “3D” model helicopter maneuvers will be permitted over the Runway Area, being the short grass landing and take off runway or strip, when fixed-wing aircraft are flying.
 - b. Helicopter and multi-rotor aircraft pilots who can depart and return in forward flight will fly the same traffic pattern as the fixed-wing pilots.
 - c. Pre-flight testing, trimming, and extended hovering and low level flying will only be done in the designated helicopter/multi-rotor aircraft hover trimming area to the east of the pits, parallel to the runway, the width of the helicopter/multi-rotor area, extending to the east end of the runway .
 - d. Only the last pilot stations to the east will be used by helicopter and multi-rotor aircraft pilots when flying in the traffic pattern and fixed-wing aircraft are present.
 - e. Helicopters and multi-rotor aircraft shall not be hovered in front of a pilot station, or anywhere over the Runway Area, for more than 30 seconds before joining fixed-wing aircraft in the traffic pattern.
 - f. Helicopter starting will only be done in the pit area or in the hover trimming area.
 - g. Helicopter rotor heads will be held stationary whenever the model is at rest.
 - h. The helicopter and multi-rotor aircraft will be carried, not flown, between the pit area, hover trimming area, and Runway Area.
 - i. Whenever fixed-wing aircraft are in operation, the helicopter or multi-rotor aircraft pilot using the hover trimming area shall also have a spotter who is observing the other aircraft.
38. No flying in a dangerous manner so as to risk injury to yourself or others.
39. New club members will qualify for “pilot” status in accordance with CMB pilot checkout guidelines.
40. All aircraft weighing between 1/2 and 55 pounds must be clearly identified with the owner’s AMA and/or FAA identification number; as located and required by the AMA and FAA.
41. Field Flying Hours:
- a. Mowing crew operations have priority over all flying until completed.
 - b. For all (8:00 AM for motor and 9:00 AM for engine) fixed wing, helicopter, and drone/multi-copter (drone) flying, the main runway is open from 8 AM until 9 PM or dusk daily; whichever occurs first. Drone flying can only be conducted in the main runway area during fixed wing/helicopter operations with the express agreement of all flyers present. Drone flying in the front grass flying area is open from 8 AM until 9 PM or dusk; whichever occurs first.
 - c. For electric (motor) fixed wing, helicopter, and drone flying, unless otherwise posted, the main runway is open from 8 AM until 10 AM daily; with First-Person View (FPV) flying having priority during this period.
 - d. For drone FPV flying, unless otherwise posted, the main runway is open from 8 AM to 10 AM or until the first morning fixed wing/helicopter flyers arrive after 10 AM.
 - e. During the period 10 AM until dusk, non drone FPV flying from the main runway area can only be conducted during fixed wing/helicopter operations with the express agreement of all flyers present.

42. CMB Club First-Person View (FPV) main runway rules and regulations:
 - a. Culpeper Model Barnstormers welcomes First-Person View (FPV) flying (fixed wing, helicopter, and multi-copter/drone (drone)) at our CMB Club flying site in accordance with AMA's outdoor FPV (AMA Document #550) guidelines.
 - b. Fixed wing and helicopter FPV is allowed during normal flying hours from 10:00 AM until dusk.
 - c. Except for dedicated, Club sponsored drone FPV events, all electric (motor) drone FPV flying/racing must be conducted between 8 and 10 AM or until the first morning fixed wing/helicopter flyers arrive after 10 AM or from 5 PM until dusk after the completion of fixed wing/helicopter flying.
 - d. Except for dedicated, Club sponsored, drone FPV events, quick removable course obstacles are allowed. Course obstacles must be removed in the morning prior to 10 AM or upon the arrival of the first morning fixed wing/helicopter flyers after 10 AM.
 - e. CMB Club strictly follows FAA regulations. Although outside of Washington DC-SFRA area, all current FAA regulations will be adhered to by club members.
 - f. In the event of other Club sponsored special flying events being held at the Club field, all drone FPV activities will be suspended until completion of those activities.
43. "For Sale" Items on the CMB Club's Website:
 - a. Only Culpeper Model Barnstormers (CMB) Club members in good standing may use the "For Sale" online listing on the CMB website.
 - b. Club members are welcome to advertise the following items; Radio Control (RC) aircraft, boats, cars, trucks or RC related accessories (transmitter, receivers, tools, starters, etc.).
 - c. All advertised items can remain on the website for up to 60 days. The advertiser is responsible for notifying the web master if the item listed is sold.
 - d. The CMB Club accepts no responsibility for any transactions, nor will it intervene in any dispute between the seller and purchaser, for any reason.
 - e. It is the responsibility of the purchaser to use "due diligence" when purchasing any item listed on the CMB Club's website.
 - f. It is "buyer beware" when purchasing an item.
 - g. Sellers are responsible for describing the item(s) for sale in writing, and taking pictures (if desired) of items to be listed in the CMB Club website's "For Sale" section. Once the "For Sale" documentation is completed, forward it to the CMB Club web master for its insertion in the CMB Club's website.

Lenn Model Airpark FLYING SITE ETIQUETTE

1. All CMB members and guests are responsible for removing their personal trash from Lenn Model Airpark and Lenn Park.
2. It is not recommended that non-flying guests and spectators be allowed in the pit or flying areas.
3. Runway and helicopter/multi-rotor aircraft Area usage should be controlled by good communications between all flyers.
4. In the event of a dead engine, pilot shall yell “dead-stick”.
5. Please, no pets or animals; with the exception of disabled assist animals.
6. Engine restarts on the Runway Area are not recommended.

Culpeper Model Barnstormers (CMB) Flight instructor qualifications

Flight Instructors must:

1. Be an active member of CMB for a period of not less than one year.
2. Have two years minimum experience with radio controlled aircraft.
3. Be a current AMA member.
4. Be familiar with AMA safety regulations.
5. Be familiar with Lenn Model Airpark Flying Site Rules and Etiquette.
6. Prove ability to fly different types of aircraft (high and low wing Trainers, Sport Planes, etc.)
7. Execute a spin recovery.
8. Execute stall turns.
9. Demonstrate ability to adjust various engines settings on different types of engines.
10. Know how to perform pre-flight inspections that include but are not limited to checking center of gravity, control surfaces, servos, engine and servo mounts, and aircraft structure.
11. Demonstrate ground handling abilities.
12. Have a working knowledge of radio equipment to assure proper settings and controls.

Transmitter

- Landing gear
- Dual rates
- Trim settings
- Exponential

Receiver

- Antenna
- Servo connector locations

Culpeper Model Barnstormers (CMB) PILOT CHECKOUT GUIDELINES

1. Must be checked out by a CMB qualified instructor.
2. Must have current AMA license and be a CMB member in good standing.
3. Know Lenn Model Airpark Rules and AMA safety rules.
4. Know all aircraft control surfaces, their functions and the four forces acting upon an aircraft.
5. Able to demonstrate pit safety and preflight inspection procedures.
6. Able to perform satisfactory takeoff and climbout.
7. Execute procedural turn.
8. Execute steady level flight.
9. Execute inside loop.
10. Execute flat horizontal figure 8.
11. Execute horizontal roll.
12. Execute Immelmann turn.
13. Stall airplane and recover.
14. Satisfactory landing on runway.
15. Post flight shutdown and discussion.