

Spitfire Pylon Racing

November of 2024 Contest Rules

Club members who have committed to participate should read and remember these rules of racing. All our Spitfires are required to use the same size electric motor, propeller, ESC, and battery size (3s, 2200 mAh).

The race judges are made up of our club's volunteers—3 needed. All rulings on race violations will be final as ruled by them.

1. The race course will be on our field parallel to its length with one pylon (or mark) inset on the Southern line, and one pylon 25% in from the Northern line, with a distance of 300 feet apart.
2. The races will be flown using a figure eight pattern around the marks. Six lap races. The race course will be discussed with the racers and judges before we start. All participants should be on time and present for this meeting before we start the races.
3. Racers will be randomly picked and be matched in pairs for their first heat race. The winners of that race will move to a semi-finals race and referred to as the winners class. The eliminated racers of the first heat will have a semi-finals race also referred to as the elimination class.
4. The two semi-finalists (one from the winners class and one from the elimination class) will advance to the final race between the two. The winner of that final race will claim the victor's prize and prestige.
5. Racers will be flying from the two pilot stations and are requested not to fly behind their location or over top of anyone. We need to be safe.

6. If a racer cuts to the inside of a pylon (missing the mark) they may or may not be notified, but they will be required to do a penalty horizontal circle (360 degrees) around a pylon before the end of their race. Failure to do so will be an automatic disqualification for that heat of the racer.

7. If a racer misses two or more pylons during their heat, they will be required to complete the same number of penalty circles as marks missed. Failure to do so will mean they will be disqualified. Racers disqualified will race again in the elimination heats.

8. All racers should try to avoid mid-air collisions. Planes overtaking another racer should pass to the outside of the plane they are overtaking unless the other plane is clear of the passing racer's path. If the passing plane hits the plane they are overtaking making it lose time or its path, then they could potentially be disqualified or they may do a horizontal penalty circle around a pylon (exception below in #8). If either plane crashes from the result of a collision, then the judges will need to make a ruling. If both planes crash, they could be moved to the elimination racers semi-finals, or there could be a re-race of that heat—all determined by the judges. The judges have the right to make a request for a heat re-race if they see it necessary.

9. If there is a midair collision between two racers and the planes survive with no loss of time, then they will continue on with no penalty. But if there is a loss of time for the lead plane then the passing plane will be ruled at fault and have to do a horizontal penalty circle around the next pylon they approach or a pylon before the end of the race, or be disqualified.

10. If it's the finish line pylon you make a horizontal penalty circle around, then you would have to circle it completely once around 360 degrees to complete the race.

The race committee is requesting club members to help with this event. This is our first year (second race event) and we are still working out the bugs so please be patient.

This seems really cool and I hope we have great success and fun.

Thank you for your help.

Jim Davis

President

Dare County RC Flyers