



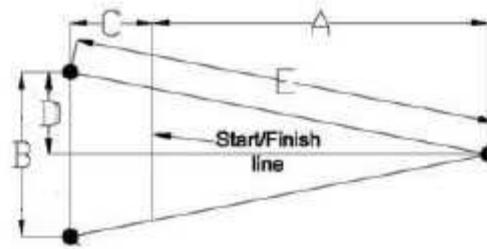
Air Race Rules

For Furey Cup and Bixler Trophy

- **Spotter**
 - Each pilot is required to supply one spotter that will be assigned at random to another pilot
 - Spotter's responsibility for safety inspection to include:
 - Propeller: check for cracks, tight prop nut, and general operation
 - Secure motor mounting
 - Control surfaces: secure attachment and proper deflection
 - Failsafe verification
 - Responsible for visually verifying correct passage of pylons (outside)
 - Hand launching of pilot's aircraft
- **Pilots**
 - Pilots are responsible for the safe flight of their own aircraft and warning others of in-flight issues

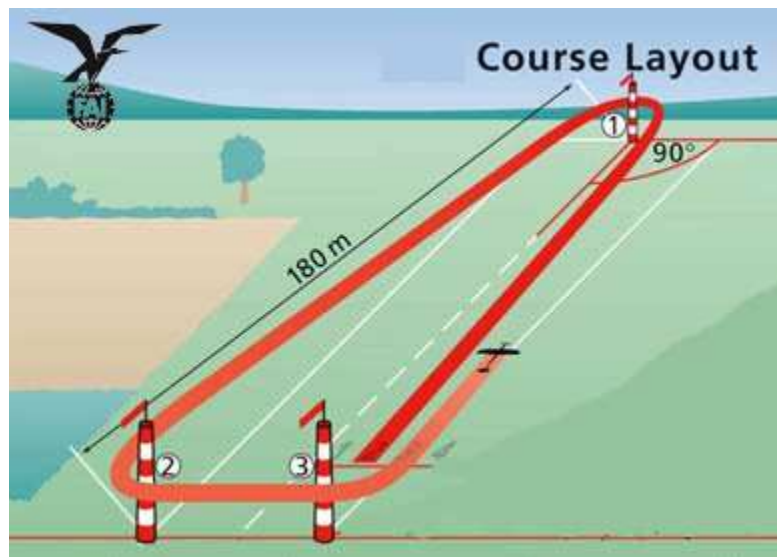
- Communication must be established with your spotter as much as possible. Immediate safety concerns are to be communicated directly to other pilots but general communication such as emergency landings or loss of signal can be communicated through the spotter
 - Failsafe is to be properly set and tested by the pilot and demonstrated to the spotter
- Safety:
 - Pilots and Spotters are required to wear at least head protection. This can be a hard hat or bicycle helmet that is of appropriate size. There are no exceptions to this rule as both spotters and pilots will be within the race course.
 - Pilots and Spotters are to effectively communicate any in-flight safety issues by shouting the calls so that other participants can be aware.
 - Participants are to remain in their flight line positions until the conclusion of the respective race for their own safety. Crashes resulting in smoke or flame will be dealt with by the on-site safety crew via sand or extinguisher.
- Aircraft:
 - Any entered aircraft must be from the design off thread. Whether it was completed on-time or not, all official entries are able to be flown.
- Briefings:
 - Each race will include a briefing immediately prior to their respective flight.
 - Pilots and spotters are required to attend these briefings. Any absence will remove that associated aircraft from the event.
- Course:
 - Any pylon cuts are to be assessed by the spotter. Pylon cut instructions are in the specific race rules below.
 - Layout: Dimensions, layout, and flight pattern are in the images below. Pilots and spotters will be located at the start/finish line.

3 PYLON RACE COURSE



Staging, Ready, Defuel Area
Pit area
Spectators

Event	A	B	C	D	E	10 Lap Distance
Q-40	508 ft	100 ft	100 ft	-	-	2.5 mi



Furey Cup Rules:

- Any size (mAh) battery with a maximum of 4 cells (4S)
- Pilots must complete 10 laps
- Pylon cut instructions:
 - Cut pylon #1: Lap is disqualified, proceed to circle back around pylons 2 and 3 and complete a new lap.
 - Cut Pylon 2 or 3: Lap is disqualified, proceed to pylon 1 and circle again.
 - 2 pylon cuts within the same lap are allowed but require instructions above to be followed.
 - Rule of thumb: If you cut a pylon, do another lap.

Bixler Trophy Rules:

- Battery limited to a maximum of 15Wh (1300mAh 3-cell [14.4Wh] or 1000mAh 4-cell [14.8Wh])
 - The objective is to fly as long as possible so over-discharge is possible.
- Pace plane:
 - Pilots must stay ahead of the pace plane (Dan Crews' Beck-Mahoney Sorceress). Immediate disqualification if this ever happens.
 - Spotters are responsible for keeping track of this and effectively communicating to the pilot of its location.
 - The pace plane will be launched after the lead plane has made its first complete lap.
- The race will conclude when all pilots have downed their aircraft through battery depletion or crash and the pace plane has also landed.
- The winner is defined as follows:
 - Last airplane up that stays ahead of the pace plane.
- Pylon cut instructions:
 - If you are within one lap of the pace plane you are immediately disqualified from the race.
 - If you are more than one lap ahead of the pace plane you lose 1 lap.
 - As laps are not counted as a finishing rule, spotters are to maintain laps ahead of the pace plane.

Exhibition Flight

- An exhibition flight will be coordinated to facilitate the flight of any and all air race themed aircraft. Any size, era, power system, competing or not, may be used as long as the aircraft is of an air racing theme. This also includes fantasy aircraft.
- There are no restrictions, this is purely to test conditions, airframes, refine trims, and test strategies.
- This is NOT combat or a race. Be responsible, respectful, and obey normal flight line operation etiquette.
- Spotters may be anyone as per the flight line rules of any AMA sanctioned event.

Static Display

- A static display will be organized for a couple of hours for one evening of Flight Fest.
- All participants are encouraged to participate.
- Please try to be with your model so that onlookers can ask questions and interact with the pilots/builders.
- A "build album" of photos and specs is suggested to show those interested how the aircraft was built. This is not required.