

## 2019 PALOS RC GLIDER EVENT RULES

### GENERAL INFORMATION

1. This is a sanctioned event sponsored by the Palos R/C Flying Club.
2. Current AMA membership cards must be presented at the registration sign in by the pilot. Workers and other crew must sign in on a separate registration sheet
3. Prizes will be raffled for pilots and workers on a random drawing basis at the conclusion of the event.
4. Hot dogs and soft drinks will be provided to flyers and workers after completion of all events.
5. At time of sign in workers will select their preference of retrieval, or timing, or other activities.
6. The frequency board will be used for pilots with 72Mhz radios. Pilots are responsible for resolving radio frequency conflicts.
7. The event will consist of 2 tasks. The first and last stage is a duration flight. The middle task will have 1 or 2 stages.
8. Pilots can enter more than one airframe, however each airframe must complete all of their respective task stages individually and in the proper sequence.
9. The event is considered a friendly competition, but not a contest. Experienced glider pilots are available to assist in many glider and radio concerns that may arise.

### GLIDER RULES

- 1 - Gliders of any type are eligible for entry in the glider event.
- 2 - Pure (non-motorized) gliders have an option of launching from a high start of the pilot's preference. Club instructors are available to assist in high start/winch launches.
- 3- Motorized gliders can participate by climbing under power until an estimated altitude equal to the high start is reached and agreed to by an event judge then shutting down the power source and continue under pure glider flight.
- 4- Motorized gliders must invoke the propeller brake in their speed control. Once the throttle shut-down altitude has been reached and the judge has proclaimed a shutdown, the propeller must not turn. Folding propellers must bind to the fuselage, Non-folding propellers must be static and not "windmilling". Pilots who are unable to master the control of the propeller brake and allow the propeller to "windmill" will receive no credit for that portion of the event.

### EVENT RULES

- 1 - The event will consist of a duration flight and 1 other task with 2 stages within each task. The sequence will follow a pattern of one stage of the duration flight followed by 1 or 2 stages of the additional task and finally the second and last stage of the duration flight. Pilots must complete tasks and stages in the proper sequence.
- 2 – All stages of tasks will be conducted in sequence and with a time limit. The specific time allowance is at the discretion of the CD, but will not exceed a maximum of 30 minutes for all pilots to complete that stage of a task. Once all pilots have completed their stage, the CD will close that stage regardless of time used, and no further flights will be allowed for that stage.  
Any pilot who doesn't complete a particular stage of a task within the time allotted will receive a zero for that task stage.
- 3 – All pilots are required to assist in the smooth operating flow of the entire event. Required activity for pilots who use the high-start or winch is to launch and fly one task and then retrieve one high-start or winch parachute. **Launch one – retrieve one.** An additional prize raffle ticket will be given for each retrieval by anyone ... that is either a pilot or worker.  
Pilots who use powered gliders are to fly one stage then time one stage.
- 4 – The duration flight will consist of a timed flight after release from the elevating mechanism, whether it be the high start, or the winch, or the plane's motor.  
Once the release has been achieved, the timing will start. The glider must stay aloft purely on its own and the pilot's proficiency. The pilot would endeavor to maintain controllable flight dependant on the circumstances.  
  
The maximum point value for the duration is 7 minutes.

## EVENT RULES - CONTINUED

- 5 – The additional task may be in the nature of a pylon flight, a blind timed flight, or a spot landing at the CD's preference.

The pylon task will be a timed course of 2 complete laps around the 2 pylon course set up on the field. Upon release from the high start or winch or powered climb altitude the pilot will endeavor to perform the 2 complete laps around the 2 pylons. Timing will start when the glider crosses the first pylon and stops when the glider crosses the second pylon on the second lap.

Failure to complete 2 complete laps result in a score of zero.

The glider does not need to fly around the pylon, just cross the vertical plane established by the pylons. A turn judge will signal when any specific plane has crossed that line.

A blind timed task will consist of the pilot completing a flight of a fixed time period without reference to a stop watch. Timing will start when the glider releases from the high start or powered flight to high start altitude.

The spot landing task will consist of a landing location identified and determined by the CD. There is no timing involved. The objective is to land as close to the spot as possible. The airframe must be in flying condition after landing. The closest to the designated spot scores the highest points.

- 6 – Pop – Offs The accidental release from the high start or winch before the glider has reached its desired release altitude is referred to as a “ Pop Off “. A total of 3 Pop Offs are allowed for the entire event. If 2 Pop Offs are encountered in the same stage of a task the pilot scores a zero for that stage. The Pop Off must be declared by the pilot when it occurs and before entering the phase of the stage activity. Once the stage has been initiated or completed, a Pop Off cannot be declared. Since Pop Offs contribute to a significant amount of wasted time, every effort should be made to avoid their occurrence.

- 7 - Pilots may enter with more than one glider. However each airframe must complete the tasks individually and in the proper sequence. The same airframe used for the duration flight must be used for the additional task.

- 8 - Points are awarded for each stage of the tasks and are awarded relative to the participants at the field. 3 points for 1<sup>st</sup> place, 2 points for 2<sup>nd</sup> place and 1 point for 3<sup>rd</sup> place.

Maximum points are earned for the longest time, up to 7 minutes, for the duration flight. Maximum points are earned for the shortest time on the pylon task.

- 9 - The idea is for all to have fun and not to put your glider in a situation where you may risk a crash. The competition is friendly, and there is no additional prizes for finishing in place. It is not a contest. Pay careful attention to the placement of the pylons, if used, to avoid a collision.