

T-28 EGG RACING

I. General

The intent is for T-28 park flyer pilots to be able to voluntarily experience the excitement, camaraderie, fun, and thrill of pylon racing with minimal formality or expense. There are many existing T-28 airframes amongst pilots, and just as many repairs and/or modifications, so it would be limiting to require absolutely stock (i.e., out-of-box) configurations. However, certain airplane requirements will need to be met in order to make things as fair as is practical in a given class. This is simply a social gathering and not an official, formal, nor sanctioned event. All pilots must be current AMA members in good standing and meet FAA requirements. Event participation is completely voluntary and event attendance is at your own risk.

Takeaway: The intent is to introduce and promote all skill levels and walks of life to flying around sticks. The goals are to have a fun and safe day!

WARNING: FLYING AROUND PYLONS MAY BE ADDICTIVE!!!

Signup: Signup closing time will be announced via e-mail, or otherwise, within seven (7) days preceding the event. Registrants must arrive at the event in time to sign up. *Typical* closing time for signup will be 08:00. **DO NOT BE LATE IF YOU INTEND TO PARTICIPATE, LEST YOUR IMMEDIATE DISAPPOINTMENT.**

II. Entrance Fees

- 1) 7 coins of any currency or denomination;
AND
- 2) 1 Parkzone 9½ x 7½ 2-blade propeller (PKZ1012);
AND
- 3) Pilots choice of at least one of the following *in addition to "1)" & "2)"*, above:
 - 1 package hotdogs & buns;
 - 17 fresh, 11 hard boiled, or 5 pickled eggs;
 - 1 pair of new, unworn, white ankle socks (≥size 12).

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III. Class Descriptions & Requirements

Airframe: Parkzone or E-Flite T-28 (Navy) or T-28D (Air Force) **

Wingspan: 44" (1118mm, stock wing) **

Airframe Weight (minimum, dry): 1 9/16# = 1.56# = 25 oz. = 708g **

"Over-Easy" Class

Motor: Parkzone 960kv, PKZ4416 *recommended*

ESC: E-Flite 30A, EFLA1030 *recommended*

Battery: 3S LiPo, *recommended*

Propeller: STOCK (Parkzone 9½ x 7½, PKZ1012) **

Battery Weight: ≤181g (including connector) **

Number of Laps: **14**

"Poached" Class

Same requirements as "Over Easy" class, but limited to the first four (4) persons wishing to participate and dictated by signup order in "Over Easy" class. This class is an impetus to arrive at the event early, get the show on the road, and avoid lollygagging. Each airplane must carry a raw egg whilst flying the course! The egg will be provided by scorekeeper, with "containment", should mishap occur. No additional entrance fees. No cage-fights! One heat, only (see Section V, below).

**** REQUIRED, NO EXCEPTIONS!!!**

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IV. Modifications

ALL AIRFRAMES AND BATTERIES TO BE UTILIZED BY RESPECTIVE ENTRANTS WILL BE INSPECTED AND WEIGHED PRIOR TO THE EVENT. NO SUBSTITUTE AIRFRAMES OR BATTERIES ARE ALLOWED WHICH HAVE NOT BEEN PREVIOUSLY INSPECTED BY THE EVENT INSPECTOR.

No clipped wings or tail surfaces. No modifications to the general, stock, airfoil shape may be made (i.e., same NACA profile as stock). Stock Parkzone wings required. Minor modifications, reinforcements, ventilation, etc. are at the discretion of the pilot (must meet minimum dry weight). The faux engine plate and pilot dude are optional. Tricycle landing gear must be installed. For the Poached class it is recommended the canopy be modified in such a way as to be able to carry an egg.

V. Format, Safety, & Scoring

Distance Between Pylons: 280' (i.e., "28" x 10 feet)

Prior to each heat the Starter may inspect each airplane paying particular attention to; 1) propeller, 2) battery, and 3) general air worthiness. At the Starter's discretion, any airplane deemed unsafe and/or not meeting the class requirements will not be allowed to fly that heat. The "course" will consist of two pylons ≈280' apart. At the beginning of each heat the participating pilots will agree on takeoff order, the planes placed on the runway side-by-side where indicated by the Starter, and readied (i.e., "armed"). The runway will be cleared (of people) and a signal will be given by the Starter at which point pilots will have ≈30 seconds to take off. NO ONE SHOULD BE ALLOWED ON THE RUNWAY BETWEEN THE TIME THE SIGNAL IS GIVEN AND COMPLETION OF THE HEAT WITHOUT PERMISSION OF THE STARTER! Planes must rise-off-ground (R.O.G.), be airborne, and LEFT of the leftmost pylon at T-minus 5 seconds or they may be disqualified. Countdown from T-minus 10 seconds will be verbally provided by the Starter and/or electronically. Race starts at "0" (zero). Any jump start (i.e., right of the start line) before the countdown reaches "0" will be disqualified and asked to fly above the remaining planes until the race is complete. Each pilot must have a Caller (i.e., helper). The Callers are responsible to count completed laps and keep track of finish position for their respective pilots. The Starter will also assist in this. The Starter will confirm finish order with the pilots. The race is complete once all but one of flying planes finish. Landing order should be in finish order. (continued)

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Cuts will be announced at the conclusion of each heat. Any disagreements, which are not handled as ladies or gentlemen, will be settled by an arbitrator (e.g., Starter) via the flipping of three (3) coins simultaneously, subsequent to the interested parties calling the predicted outcome. The call statistically closest to the outcome will take precedence (this is easier than it sounds) and determine resolution. Points will be awarded based on the maximum number of pilots in any given heat for the event for every heat (i.e., "lucky dogs" have an advantage). ANY cuts will result in disqualification for a given heat (i.e., "0" points. No single-plane heats will be flown. A pilot facing a single-plane heat will be awarded the maximum number of points possible for an event heat, but will not actually fly.

Matrix order may be determined as follows:

1st Round: By experience level at discretion of scorekeeper ***

2nd Round: By points standing

3rd Round: By points standing ****

4th Round: "Fly-Off" of top four pilots by cumulative points from previous rounds.

*** "Poached" class: 1 round only AFTER completion of other rounds.

**** Depending upon availability, an award may be given to each pilot who successfully "spot-lands" within the circle painted on the runway.

Winners for the "Over Easy" class will be determined by the finish order of the 4th round. In the event any round(s) cannot be completed, the top 3 pilots will be determined by cumulative points from prior round(s). Ties, including ties determining who participates in the "Fly-Off" round, will be broken via number of cuts and then coin-flips as described above.

In "Over Easy" class, awards (plus bragging rights) will be in the following order:

1st place: 11 coins of largest denomination available from entry fees collected.

2nd place: 7 coins of largest denomination available from entry fees collected.

3rd Place: 5 coins of largest denomination available from entry fees collected.

"Poached" class: Mass of single lowest denomination coins collected, if available will be divided ≈40%, 20%, 10%, 0% for finish/points positions 1 -4, respectively.

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VI. Example Batteries (Note: Advertised and actual weights differ!)

<u>Description</u>	<u>mAh</u>	<u>"C" Rating</u>	<u>mass (g)</u>
Admiral 2200mAh 3S 11.1V 35C	2200	35	172
Great Planes ElectriFly LiPo 3S	2200	30	174
Hobby People 11.1V 2200mAh (3S) 30C	2200	30	175
GForce 20C 2200mAh 3S	2200	20	176

