



NO FEAR

PYLON

RACE RULES AND PROCEDURES

AIRCRAFT

SIG, Four Star-40
World Models, LA-40 Racer
World Models, Skyraider MK-II

FUEL

15% Nitro, any brand. There are no restrictions on the tank size. Pressurization by muffler pressure only.

Landing Gear

Landing gear is required. Racers must be able to taxi, take off and land under their own power. Wheels and landing gear brackets have no restrictions.

Wheel Pants

Wheel Pants are not allowed.

Control Surfaces

All aircraft must exhibit rudder, aileron, elevator and engine control.

ENGINE

Thunder Tiger Pro-40

Propeller

Any prop is legal.

Canopies

All aircraft must have a plastic canopy consistent with the size of the aircraft.

Pilot Figures

Pilot figures are desired but not required.

Weight

There are no aircraft weight restrictions.

MODIFICATIONS

AIRCRAFT

Fuselage: No modifications are allowed to the fuselage on any of the listed aircraft. Lightening holes are allowed, but cannot change the overall design of the aircraft.

Wings: There are no restrictions on wing dihedral for any of the listed aircraft. There are no modifications allowed to the overall wing design except length (*see Special Four Star wing modifications*). Internal lightening holes are allowed but cannot change the overall design of the wing. Foam wings are not allowed.

Control Surfaces: The sealing of control surfaces is allowed. Any type of control surface mechanism is allowed (ie. Internal servos, external servos, pull-pull etc.). There is no restriction on the number of servos used per control surface.

Tail Wheel Option: Tail wheels can be eliminated and replaced with a skid.

ENGINE

There are absolutely no modifications allowed to the engine, carburetor or its exhaust system.

SPECIAL FOUR STAR WING MODIFICATIONS

As a plan to standardize all three aircraft types, the 59 ³/₄ inch wingspan of the stock Four Star-40 can be reduced to the 53 ³/₄ inch wingspan of both the LA 40 Racer and the Skyraider MK-II. This can be accomplished by eliminating one bay on each side of the stock Four Star-40 wing. Either Four Star-40 wing length is legal for the “No Fear” Racing program.

RACE PROCEDURES

Race Boss

A “[Race Boss](#)”, who is a member of the racing committee, will be in charge of all racing. The [Race Boss](#) will be the final authority on all disputes.

Call to Race

A five minute “call to race” will announce the fliers in the next heat. After the five minutes have elapsed, the two minute flying start countdown will begin. Note: At the discretion of the Race Boss the five minute “call to race” can be reduced to three minutes.

Flying Start

As soon as the two minute flying start countdown begins, the contestants can take off. As the countdown nears “0” the pilots will orbit at the north side of the field in anticipation of making their dive for the start line.

The final count will progress as follows: ...Five, Four, Three, Two, One, Zero. The pilots will time their dive to arrive at the start line at the count of “Zero” or thereafter. Any pilots passing the start line before the count of “Zero”, will be disqualified.

All pilots have the option to take off and enter the race after the official “Start”. This option is only available before the first lap is completed by the lead airplane. “Late Starts” have to be airborne when they pass the start line. No contestant can enter the race after the first lap has been completed.

Pilots and Callers

Each pilot must stand in the flight box centered at the start/finish line. Each pilot will have a caller that will audibly call out the number of laps completed. The caller can also advise the pilot and will act as a safety guard, should out of control aircraft threaten the pilot.

Helmets

All pilots, callers, pylon judges and the [Race Boss](#) will wear safety helmets during the race.

Laps

A race will consist of 8 complete, counter clockwise (left hand turns), laps around the pylons. There are two pylons at opposite ends of the field (North/South) approximately 300 feet apart. The start/finish line is located at the center of the field.

Turns

A legal turn occurs when any part of the aircraft passes the plane of the pylon. Aircraft are not required to physically fly around the pylon.

Pylon Cuts

A pylon judge at each pylon will determine unintentional pylon cuts. One unintentional pylon cut will reduce the pilot's score by two points. Two unintentional cuts will result in a disqualification.

Intentional cuts are not allowed. Intentional cuts will result in a disqualification as determined by the [Race Boss](#) in coordination with the pylon judges.

Pylon judges can be selected from contestants or other club members.

Pilot Line

Any aircraft that crosses the Pilot Line, during the race, will be immediately disqualified by the [Race Boss](#). This is a Safety Disqualification.

Scoring

Any contestant that becomes airborne during the two minute countdown will automatically receive one "*Participant Point*" regardless of cuts or disqualifications.

First place will receive an additional 5 points.	[<i>Participant Point</i> plus 1 st place = 6 pts]
Second place will receive an additional 4 points.	[<i>Participant Point</i> plus 2 nd place = 5 pts]
Third place will receive an additional 3 points.	[<i>Participant Point</i> plus 3 rd place = 4 pts]
Fourth place will receive an additional 2 points.	[<i>Participant Point</i> plus 4 th place = 3 pts]

As noted above, one cut will reduce that pilot's standing by two points.

[Example 1: First place w/one cut: *Participant Point*, plus 1st place, minus two cut points = 4 pts.]

[Example 2: Fourth place w/one cut: *Participant Point*, plus 4th place, minus two cut points = 1 pt.]

TERMINOLOGY

Contest

The entire "No Fear" Pylon program. For 2013, this will consist of 10 Races.

Race

The scheduled event. For 2013, races will occur on Saturdays, May 11, May 25, June 29, July 13, July 27, August 31, September 14, September 28 and October 26. Races will begin at 9AM Sharp. The [Race Boss](#) is the final authority on any delays or weather cancellations.

Round

Each race will consist of 4 rounds. Each round will be further subdivided into “Heats”. At the discretion of the **Race Boss** an intermission can be scheduled between rounds to allow for other club activities.

Heat

The number of “Heats” per round will be determined by the number of contestants. A maximum of 4 contestants can fly in a heat. The order of heat competition is determined by a Heat Selection Program developed by the NMPRA (National Miniature Pylon Racing Association).

AWARDS

Monthly Race Medallion

A traveling “Bragging rights” medallion will be awarded the 1st place winner of each monthly race. In case of a tie, the participants can elect to have a “winner takes all” race or flip a coin.

Yearly Championship Plaque

This plaque will be awarded to the contestant that has accumulated the highest number of points for the year. Note: Final points will be calculated on the 8 best races for each contestant in 2013. Should there be a point tie, final points will be calculated on the 9 best races. If the tie still exists, final points will be calculated on all 10 races for 2013.

[Eliminating the two worst races will allow those contestants to be competitive who would ordinarily miss races because of vacation or other commitments.]