



Green Mountain RC Club
Box 8083
Essex, VT 05451

2010 WNFC

Rev-2

Sorry about the rules and specs, keep in mind we are trying to level the playing field and in doing so, we open this competition to everyone in the club. We are trying to achieve an affordable and fun competition.

Rules and Specifications:

You and Anyone involved in the race must wear an approved helmet

A bike helmet or construction hat is sufficient. If you do not have one, we will provide one.

Required Equipment:

- Prop - 7 X 6 (only approved Hobby City prop)
- Prop saver – Any manufacturer, but it must be used.
- Battery – Any 3 cell Lipo (11.1v) with 30C or less rating, mAh range 1200-1850
- Motor - must be a FC 28-12 Bushless Outrunner 1534kv – max current 15.5A, 3mm shaft, 46mm length, 39g weight, stator 22x10mm
- ESC – Any 25A – no special features
- Must have 2 servos for control and no more (see rule section).



Rules:

- \$25.00 Entry fee, must be a GMRC member and have a current AMA #
- Any size fins are allowed, see pattern to help you along.
- Must build to Instructions, with these following exceptions;
 - Any size servo may be used
 - Servo orientation unlimited, but rod connection must be exposed on top of wing to elevon horn. No support can be used to aid the connection.
 - Any material linkages may be used to connect servo to aileron horn
 - Aileron materials are of foam/tape, or type of balsa wood. No other materials may be used.
 - Must have two fins only, any size.
 - *Winglet (fins), wing must have two. Any size or shape. Materials are of foam, plastic or type of Balsa wood. No material made of metal (safety first). These fins can be glued or taped on.*
- Electronic components can be buried in wing (for protection)
- Fairing can be made to cover exposed wires to motor.
- You can cover or add foam to protect your components; you can not alter the airfoil to achieve this.
- Other than this fairing and the two fins can be added to the wing. If you have any thoughts of adding something to the wing, it must be approved by the contest committee, prior to the first race. If you race with unapproved items, you are subject to disqualification. Please keep in mind, THIS IS A FAIR and FUN competition.
- Wings can be covered with film, spray painted or colored packing tape.
- Based on your battery choice, you may move your battery cutout forward or back slightly (max 1") to achieve balance. If more is required please bring to CD attention prior to inspection.
- Must have AMA information on your aircraft (this is an AMA event, and sponsored!!)
- Must have a minimum 2.5 inch high race number on the top right and bottom left of the wing.



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Race Format: *(structure subject to change prior to competition start)*

Structure

Laps will be CCW around 3 pylons. One cut is a point penalty; second cut is last place.

Maximum of 6 aircraft in a single race.

Race start is a hand toss

Flag person to identify aircraft number on cuts and hand to official after race.

Points will be determined at that time.

Points awarded determine next race grouping.

Qualifying laps

Prior to first race of the season, pilot must complete a timed two laps. This will determine starting position.

Points system

5 counted races of 10 weeks of trying.

2010 Race Schedule

02-Jun-2010	07-Jul-2010
09-Jun-2010	14-Jul-2010
16-Jun-2010	21-Jul-2010
23-Jun-2010	28-Jul-2010
30-Jun-2010	04-Aug-2010