



League of Silent Flight
C/O Academy of Model Aeronautics
P.O. Box 3028
Muncie, IN 47302 USA
<http://www.silentflight.org>

2010 AMA / LSF Soaring Nationals Cross Country Event

The Cross Country Event is operated by the League of Silent Flight (LSF) for its members and the Soaring Community at large at the AMA / LSF Soaring Nationals, held at Muncie, IN.

The intent of this event is to:

1. Provide a venue for LSF Task achievement for LSF members.
2. To provide a challenging event venue for non-LSF members.
3. To encourage teamwork and fellowship among the contestants.
4. To foster learning from others at the event.

It should be noted; that this event is a team style event, and that it has enjoyed relatively good success each time it has been run.

This is a winch/Hi-start event, utilizing AMA 300 meter maximum line length guidelines.

This event will be operated from the vicinity of the mid-field runway along Central Road in the International Aero-Modeling Center (IAC) in Muncie Indiana.

All Sailplanes are launched from that area and enter a predefined course flying their sailplanes some 7.96 miles to the east and return on the same path. Maps of the course will be provided at the pilots meeting and on the LSF website <http://www.silentflight.org/NATS2010/XC/default.html>

With this in mind, we intend to operate the 2010 Soaring Cross Country Event as described below:

**This 2010 Cross Country Event is now two days in length.
This event is not a "Race", but a "Distance" task only.**

Cross Country – Winch, where the primary method of getting the sailplane airborne is by means of a winch, then finding thermals to get the sailplane to altitude before entering the course.

Aircraft flying in this class must conform to all AMA/FAI limits including the 5Kg (11.023 pound) weight limit.

General Items:

- Each Contestant must fly on Digital Spread Spectrum (2.4 GHz).
- Each team is expected to bring its own launch equipment. Winch teams are **strongly** encouraged to share winch equipment.
- Winches are restricted to 12 volts maximum electric power, 300 meter line length between winch and turnaround and must conform to the AMA safety guidelines for electric winches including safety cut-off switch. Winches powered by internal combustion engines will not be allowed.
- It is intended that the XC area will be mowed to facilitate Winch set-up and ROG operations from any wind direction.

This is a “TEAM” Event.

A team is comprised of one or more Pilots (Entrants), a chase vehicle driver, a spotter and an observer.

- Chase vehicle drivers shall observe all state and local laws including the max speed limit for the area. Note that Indiana traffic law does allow **adults** to ride in the rear of a pickup truck so a pickup can be used as a chase vehicle.
- Each chase vehicle driver shall sign a waiver holding the AMA and the League of Silent Flight harmless, in the event of an accident, and or violation.
- Each Pilot (Entrant) shall sign a waiver holding the AMA and the League of Silent Flight harmless, and the pilot assuming the risk for any damage caused to property, personal, public or private.

The Cross Country Winch Task Attempts:

- Mileage begins at the Start Gate. The Start Gate is also the turn point for multiple laps. You do not have to land at the conclusion of a lap on the course. It is strongly suggested that your sailplane is even with the chase vehicle at the gate for timing purposes.
- Inbound traffic shall have the right of way through the gate over outbound traffic.
- Shall be performed with aircraft not to exceed the AMA/FAI weight limit of (5 Kg) 11.023 pounds all-inclusive.
- Shall be performed by winch only. Winches are restricted to 12 volts maximum electric power, 300 meter line length between winch and turnaround and must conform to the AMA safety guidelines for electric winches including safety cut-off switch.
- The Team may share the manipulation of the controls during the attempt, except in the case of an LSF task (see below).
- Shall enter the course as prescribed herein.
- The observer will note the time and odometer reading on the chase vehicle of the scoring card.

League of Silent Flight Task Attempts:

- Mileage begins and ends at the Start/Finish Gate. It is strongly suggested that your sailplane is even with the chase vehicle at the gate for timing purposes.
- Inbound traffic shall have the right of way through the gate over outbound traffic.
- Shall be performed with aircraft not to exceed the AMA/FAI weight limit of (5 Kg) 11.023 pounds all-inclusive.
- Shall be performed by winch only. Winches are restricted to 12 volts maximum electric power, 300 meter line length between winch and turnaround and must conform to the AMA safety guidelines for electric winches including safety cut-off switch.
- Shall enter the course as prescribed herein.
- The observer will note the time and odometer reading on the chase vehicle of the scoring card.
- **An LSF Task is complete only in accordance with LSF rules. The applicant shall be the sole manipulator of the controls during the entire attempt. Note that for Level V attempts, the attempt must be witnessed by two Level II or above LSF members.**

There shall be no model operations South of the Southern-most utility road within the AMA grounds in order to provide separation with full-scale aircraft operations at the Reese Airport immediately South of the site.

2010 LSF AMA Cross Country Rules

1. All Flying will be in strict accordance with the AMA Safety Code.
2. All Pilots must be current AMA members and registered at the Officials table prior to the start of the event.
3. Each team may enter any number of sailplanes; however, each must be flown on the same assigned frequency. Note team members on the score cards for each attempt.
4. Onboard telemetry is permissible, but no consideration of frequency usage will be made.
5. There is no restriction on the number of controls or sensors.
6. All ballast must be carried internally, and can not be jettison able, except for water ballast.
7. All Sailplanes shall bear the AMA number of the primary flyer or owner, or identification within the aircraft.
8. Teams will provide their own launch equipment.
9. Electric winches must be in compliance with the AMA Safety code. Length of landline shall not exceed 300 meters. Teams may share equipment.
10. Be a considerate neighbor and prevent winch lines from fouling on the ground by pulling the towline down clear of adjoining winch lanes.
11. No more than ONE chase vehicle per team will be permitted.
12. Distance may be accumulated by flying multiple circuits of the course without landing and relaunching
13. Distance traveled-begins when the glider and the chase vehicle pass the Start Gate and stops when either
 - a. The aircraft touches a ground based object prior to completing the complete lap they are on, of the course or
 - b. The chase vehicle and the glider both cross the Gate inbound and land.
14. Any number of attempts will be allowed during the official contest hours. The best flight distance from each day's competition will be used in final scoring. Scores will be ranked on the basis of farthest distance flown. In the case of ties, winner's longest distance of his final score will determine the winner within speed limit regulations.
15. Once on course, chase vehicles must follow the prescribed route, except for possible off course retrievals. The sailplane need not fly directly over the prescribed course.
16. In the event of on course Landings (Landing Out), the distance from the start line point to the point of touchdown, will be recorded in miles and tenths from the chase vehicle odometer and recorded on the score card.
17. If a sailplane is lost or destroyed in flight, the timer shall record the distance of furthest progress.
18. Each team may establish its own relief during the event, except in the case of an LSF Goal and Return attempt.
19. The un-posted speed limit on all roads external of the AMA property is 55 MPH. AMA property speed limits must be observed. **BE SAFE, BE SAFE, BE SAFE!!!**
20. ALL traffic regulations must be observed, and unsafe operation of chase vehicles will be grounds for disqualification. This may include a seat belt regulation, and you will be advised at the pilots meeting.
21. The Return point is defined as the sailplane and the chase vehicle going past the church steeple before beginning the return leg. Common sense and courtesy must be exercised. Please show the utmost respect for the church and its property and handle yourselves with proper decorum, especially on Sunday, when reversing your course at this position. This event will begin at 8:00 AM and end at 5:00 PM local time. If you are on course at 5:00 PM, your time and distance from the start to where you finish are to then be recorded. The aircraft is to be safely landed and returned via chase vehicle.

Note: All Contestants are advised to drive and study the course prior to the event.

Good common sense, Sportsmanship, and Esprit de Corps shall be the guidelines of this event.
Let's have fun.

AMA & LSF Management Team