



ROTATE

The Official Monthly Publication of St. Louis Radio Control Flying Association

APRIL 2017

Take Off in 2017



It is time to knock the dust off of all of your aircraft, charge the batteries, and get to the SLRCFA flying field! Come out and fly with us Saturday April 29th. We are having a gathering!! Bring your old aircraft, your newly finished project, or the project that just needs a little more to be ready. Show and tell other members what you have been working on over the winter. Get that maiden flight completed!! Have some fun and FLY!!

See you at the SLRCFA Flying Field Saturday April 29th 9:30am

SLRCFA Visitors

Have you been out at the field and had a visitor ask you about the Club? Sure we all have had this happen. SLRCFA now has a Flyer holder located under the pavilion near the Electrical Panel. This container is filled with upcoming event flyers and club brochures, flyers, and Business Cards. Please utilize this to give our guests information about our club.

facebook



SLRCFA has an extremely active facebook page managed by Jonathon Hendrickson, Marshall Henley, and Geoff Biderman. Happenings at SLRCFA's page are constantly being updated with up to the minute news and even LIVE streaming video. Don't miss out on what is happening at the field. For the most current news and information, check out our [facebook page](#) and "like" it if you are a facebook user.

SLRCFA Board Meeting Minutes

SLRCFA's Board meeting Minutes are located in the members only section of our website. To access the minutes, log in then go to the members only tab and then select the Board Minutes.

While you are there checking out the minutes, take a minute to explore our website and all it has to offer.



BIG BIRD FLY-IN JUNE 3-4 2017
 HOSTED BY THE SAINT LOUIS RADIO CONTROL FLYING ASSOCIATION
 slrcfa.com/2017FLYIN for more info

AT SLRCFA FIELD:
 844 AUGUSTINE RD, EUREKA, MO 63025

EUREKA, MO MO 109 & US 44

JETS | GIANT SCALE | 3D/XA | HELIS | ELEC | CAMP | FLOODLIGHTS
 \$25 LANDING FEE | FREE DINNER SAT | RAFFLE/TROPHIES | AMA REQ. | IMAA RULES

HOTELS: Drury Inn 636.861.8300 | Holiday Inn 636.349.4444 | Hampton Inn 636.529.9020 | Pear Tree Inn 636.343.8820

The 2017 SLRCFA Giant Scale and Jet Fly In is June 3rd and 4th

This event is open to all Giant Scale, Jet Aircraft, and Large Rotorcraft. The Landing fee for the weekend is \$25 that includes a voucher for lunch on Saturday and Sunday, as well as Dinner at Saturday's pilot dinner. Your landing fee also includes FREE snow cones. Sanctioned Flying is from 10am-5pm each day. We encourage open flying in the evenings as well as Night flying under the lights on Saturday.

For additional details and registration visit <http://www.slrcfa.com/2017FLYIN>

Official SLRCFA Pilot Communication

The SLRCFA Board of Directors unanimously passed this document listed below in order to improve awareness, safety, and communication while flying. This document not only includes the

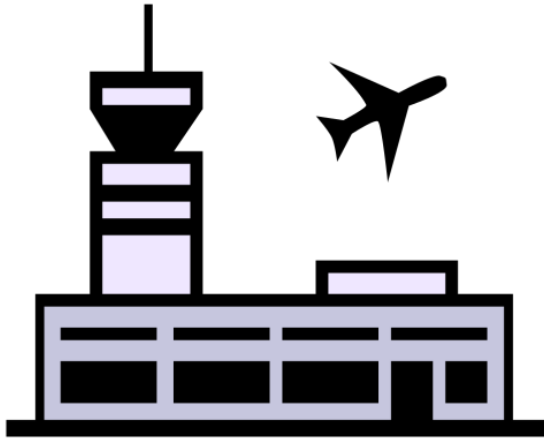
recommended callouts, but also includes runway priorities and protocols.

Pilot Communications (callouts) are verbal announcements that are required to be used between you and other pilots anytime you or your aircraft enters the runway operations area (grass or paved runways and taxiways beyond the white lines). All Communications must be acknowledged by all pilots before proceeding with your intentions. Fly as close as practical to the other pilots already flying to improve communication.

Use the following Pilot Communications, and make sure you get confirmation from 100% of all other pilots in the air before proceeding, unless you need to land for safety's sake:

- **"Coming out"** as you prepare to place your aircraft on the runway or taxiing to the runway.
- **"Taking Off"** aircraft is on the runway and ready for takeoff roll.
- **"Setting up to land"** as you begin your downwind leg gives others time to clear the area for you.
- **"Landing"** as you are on final approach.
- **"On the runway"** if your aircraft stops dead on the runway.
- **"Off on the far side"** or **"In the grass"** if your aircraft veers off on the side away from the pilots' stations
- **"Crossing the runway"** Anytime you have to cross the runway (in either direction).
- **"Runway clear"** after you have retrieved your errant aircraft, or if it has been taxied off the runway on the pit side.
- **"Dead stick"** when your engine dies while in the air. Other pilots will pass this announcement down the line as it is a signal for everyone to immediately clear the runway.
- **"Touch and go"** or **"Slow fly-by"** (note that high speed low passes and acrobatics over the runway when other pilots are at stations are forbidden-these may only be performed out past the runway over the grass).
- **"Low Pass"** is a high or low speed pass a low altitude over the border between the asphalt and grass runways.
- **"Aircraft down"** followed by the general area. An aircraft has crashed.
- **"Don't have it"** A loss of control. The pilot will announce that he has a problem as soon as possible, other observers may be able to get a fix on the plane if it goes down. If you do get a fix, such as a certain tree, etc., do not move. Call for

another person to stand beside you and show them the point you fixed on. Even turning around and back can lose the fix.



Runway Protocol/Priorities allow multiple aircraft operating in close airspace to land and/or maneuver on or over the runway in an orderly and safe manor. This list below is in order of priority.

1. Declared **“dead stick”** landing has priority over all other flight activities. The runway must be cleared for him. If more than one happens at the same time, generally, the first declared has the right-of -way, or he may yield to a lower other aircraft at his discretion.
2. Declared **“equipment problem”** and needing to land ASAP.
3. Declared normal **“landing”**
4. Declared **“touch and go”**
5. Declared **“takeoff”**
6. Declared **“slow fly-by”** or **“Low Pass”**

High speed low-passes over the paved runway are never allowed and must be performed past the far edge of the paved runway.

Per the FIELD RULES, the established flight pattern must be maintained. 3D maneuvers over-the-runway (like hovering and “Harriering”) by definition, breaks the pattern, and therefore is allowed only if all pilots in the air have acknowledged and allowed you to do so. These Maneuvers may not be performed any closer than the paved runway center line. If you are alone hovering, you may exit the PILOT ZONE to get closer to your aircraft. See the Field Rules for specific rules governing establishment of a pattern, changing a pattern, and when hovering is allowed. Hovering or “Harriering” beyond a line established 30 feet away from the far side of the runway is allowed at all times.

Indoor Flying

Has the weather been keeping you from flying? There is a solution close to home. Many SLRCFA members have been flying Friday nights 6-9pm indoors at the Central Baptist Church in Eureka, MO. All are welcome to fly for \$5 a night, but must be a current AMA member (SLRCFA membership not required). It’s a great way to brush up on your flying skills, not weather dependent, and Fun!!

Contact: Ron Lawson 636-677-1247 for details

SLRCFA's Documents

Over the last several years, SLRCFA's governing documents have been edited many times. This has left the documents with several holes and discontinuity. The 2017 SLRCFA Board of Directors and its sub committees (Teams) have tackled of an overhaul of all of these documents except the constitution already this year!! The goal is to streamline all the governing documents while accommodating for the future.

The updated Field Rules, Operating Procedures, (Newly adopted) Pilot Communication, and AMA rules have been prominently posted at the field in the newly installed Bulletin Board, which is located on the opposite side of the circuit breaker panel structure. Please review the new documents on your next trip to the field, online, or on the last pages of Rotate.





- May 3rd, 7:30pm SLRCFA Board Meeting @ Saint Louis County Library Eureka Hills Branch 156 Eureka Towne CTR, Eureka Mo 63025
- May 17th, 7:30pm SLRCFA Club Meeting at the SLRCFA Flying Field.
- May 20th Midwest Air Wing, Warbirds and Classics
- June 3rd-4th, SLRCFA's Giant Scale & Jet Fly In
- June 7th, 7:30pm SLRCFA Board Meeting @ Saint Louis County Library Eureka Hills Branch 156 Eureka Towne CTR, Eureka Mo 63025
- June 21st 7:30pm SLRCFA Club Meeting at the SLRCFA Flying Field.
- June 24th Midwest Air Wing All Electric fly-in
- July 15th Midwest Air Wing Big Bird Fly-in
- September 30-October 1st, SLRCFA SuperFly
- October 7th (8th rain date) SLRCFA, Warbirds and Civilian Scale
- October (TBD) SLRCFA, Toys For Tots/Chili Fly



GENERAL INFORMATION

2016 Board of Directors

Jonathon Hendrickson, President, Newsletter Editor	815.222.5790
Marshall Henley, Vice President, Webmaster	314.378.8663
Shane Eisenbach, Secretary	314.226.4231
Dennis Chivetta, Treasurer	636.391.8071
Jim Beerman, Director	636.390.4461
Geoff Biderman, Director	314.221.5985
George Biderman, Director	314.821.8554
John K. DeLuca, Director	636.394.1581
Barry Klussman, Director	636.390.3744
Allen Main, Director	636.913.0837
Mark Stellern, Director	636.458.4874
Mike Stellern, Director	636.458.0006

Club Information

The newsletter, *Rotate* is a monthly publication of the St. Louis Radio Control Flying Association. Monthly General meetings are held on the 3rd Thursday of the month at 7:30 p.m. at the club field in warm weather. The Club's private field is located at 788 Augustine Road, Eureka, Missouri. Guest/members are welcome to attend the Board meeting the 1st Wednesday or Thursday of the month. See "Upcoming Events" in *Rotate* for Dates, Times, and Location.

Flying Instructors List

Jonathon Hendrickson	815.222.5790
Dennis Chivetta	636.391.8071
Mark Stellern	636.458.4874
Mike Stellern	636.458.0006

2017 Membership Dues

Full Membership	\$195
Prime Membership (Equivalent to FULL membership. Includes additional benefits published on SLRCFA.com)	\$250
Junior Membership (23 years old and under. No voting rights)	\$25
Spouse Membership (Legal spouse of current FULL or PRIME member.)	\$25
Dual Membership (Open to all members of ANY other RC flying club excluding Buder park flying permits. Must not have been a SLRCFA FULL member within the last 2 years. No voting rights. Must present current membership credentials for their primary club before being accepted into SLRCFA.)	\$125
Associate Membership (Primary residence of member is greater than 75 miles from SLRCFA field (road miles). No Voting Rights.)	\$95

SLRCFA membership is capped at 100 members

No More than 20 Dual or Associate members will be accepted into our club without board approval

Join or Renew Online @ www.slrcfa.com or by Mail. Make checks payable to SLRCFA. Mail to Dennis Chivetta, Treasurer St. Louis RC Flying association, 187 Brightfield Drive, Ballwin, Missouri 63011. Any questions call 636.391.8071.



SLRCFA MEMBERS SUPPORT THOSE WHO SUPPORT YOU

Schaefer's Hobbies, Arts and Crafts



11659 Gravois Road,
St. Louis, MO 63126
Phone 314 729 7077
*Just East of Lindbergh,
Opposite the Gravois post Office*

Radio Control Airplanes, Boats and Cars
www.schaeferhobby.com

 **Mark Twain
Hobby Center**
ST Charles MO *For All the BEST for Your Hobbies*

2793 West Clay Street
St. Charles MO 63301
636-946-2816
Monday through Saturday - 9:30am to 9:00 pm
Sunday - 12:00 to 4:30 pm
www.hobby1.com



FIELD RULES

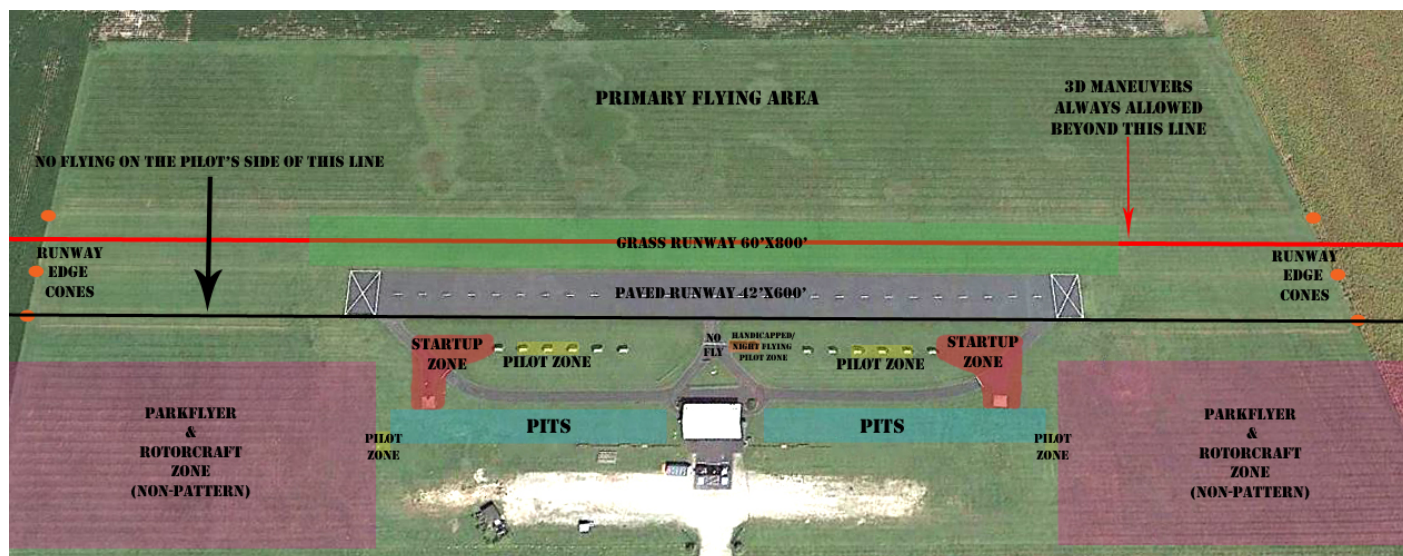
St. Louis Radio Control Flying Association

April 5th, 2017

1. Only members and guests of the Saint Louis Radio Control Flying Association with current Academy of Model Aeronautics (AMA) membership cards are permitted to fly at this site. SLRCFA members are required to have their membership cards on their person and visible while at the field. All pilots **must** wear their membership card when flying.
2. The Official AMA rules and regulation shall be applicable to all flying activities at this field. In situations where specific guidance is not provided, sound judgment and common sense shall prevail.
3. Per FAA requirements, ALL aircraft should have their FAA sUAS number visible. (can be inside of the aircraft if accessible without the use of tools)
4. Only narrow banded Radio Control systems are permitted to operate at this flying site and all pilots will have completed a successful radio equipment ground check before the first flight of a new or repaired model. (It is suggested that each day prior to flying, ground checks are conducted and that prior to each flight transmitter/receiver function be verified.) SLRCFA is a 2.4GHz preferred flying site. All other frequencies of operation (72MHz, 27MHz, 50 and 54 MHz) may be used at the pilot's own risk. However the use of a frequency pin to identify the frequency in use is highly recommended. Pins, often clothespins, can be marked with the color or channel number of the frequencies they represent and should be placed on the provided flight-line control board when in use.
5. **No** more than **six** aircraft are allowed to fly at one time in the primary flying area.
6. Piston and turbine engines are not permitted to run before **9:30AM** or after **10:00PM**.
7. **All** piston engines are required to have a muffler. All engines except turbines shall not exceed a sound limit level of 96 decibels (measured from 25 feet perpendicular to the aircraft on a hard surface). Propeller driven aircraft should not "rip the prop."
8. Pilots shall **not** fly new or rebuilt model aircraft until the aircraft has been inspected and approved by two other club members.
9. No fueling or starting engines from under the pavilion or in front of the pavilion. ALL planes must be started from the concrete starting pads at the ends of the runway, from flight stands or using personal hold downs. Personal hold-downs and flight stands must be located by the one of the two starting pads in the startup zones. Electric Airplanes should not be armed until they are beyond the white taxi lines or are located in the startup zone. See Diagram (**Startup Zone**).
10. Takeoffs and Landings are permitted on the paved or grass runways only. Taxiing out to the runways is permitted, provided it's past the white lines at either end of the runway.
11. **Primary flying area** pilots must stand in the designated **Pilot Zone** (behind flight stations #2-4 on either end of the runway dictated by the wind direction.) Only one Pilot Zone may be used at any time. Absolutely no flying from the center of the runway. Pilots entering the pilot zone should stand as close as practical to the other pilots already flying. Pilots may fly outside of the Pilot Zone **only** if they are flying an aircraft deemed to have a pilot-challenging take-off or landing characteristics and have established clear verbal communication with ALL pilots in the air and receives their acceptance and awareness of the challenging aircraft. All Pilots are encouraged to utilize a spotter.
12. The **Handicapped Pilot Zone** is only to be utilized by individuals requiring mobility assistance. (wheelchairs, crutches, canes, walkers, or similar devices) **Utilizing a spotter is mandatory**. If able, use one of the primary Pilot Zones.
13. FPV pilots must utilize a spotter at all times.
14. The first pilot to begin flying must establish a "left to right" or "right to left" takeoff and landing pattern. All subsequent pilots must follow the established pattern. Use clear verbal communication to identify the pattern if you are unsure. The pattern may only be changed during flight by an agreement among **ALL** pilots currently in the air using clear verbal communication.
15. Positively no flying over the pilot side of the runway, pit area, spectators or parking area. (Depicted as a black line. Marked by 2 Orange cones nearest to the pilot's stations at the property line) Landing out of the pattern is permitted only in cases of emergency. 3D maneuvers over the runway are only allowed **when all other pilots in the air agree to the practice**, established by clear verbal communication.
16. Low altitude, high speed passes are only permitted beyond an imaginary line represented by the outer edge of the asphalt runway
17. **Loudly and Clearly** announce your intentions with your plane of taxiing (coming out), taking off, and landing. Also announce your intentions when you need to cross the runway to retrieve an aircraft. **ALL pilots flying must acknowledge your callouts before proceeding with your intentions**. Additional guidance is provided our *Pilot Communication* document.
18. All Helicopters and Multirotors (Rotorcraft) must be carried to and from the runway or rotorcraft zone. All hovering shall be conducted in a designated rotorcraft zone and forward pattern flight is **not** permitted from the hovering area. Rotorcraft forward pattern flight is permitted from the **Primary** flight line.
19. Pets may accompany SLRCFA members in accordance with St. Louis County Ordinances. ALL pets are the sole responsibility and liability of the pet's owner. Owners of unruly/dangerous pets, or pets exhibiting behavior that is potentially damaging to aircraft or facilities are required to remove the pet from the field.
20. **Night Flying** is permitted when in accordance with AMA rules. **Whenever the field flood lights are illuminated** (after sunset or before sunrise) **all pilots must fly from the Handicapped/Night Flying Pilot zone**.
21. Absolutely no talking on the phone while flying.
22. Any SLRCFA Member shall have the authority to enforce the rules herein. In most cases a simple warning will remedy a situation. However, if a pilot deliberately refuses to comply with a specific rule any SLRCFA member may file a grievance following the procedures listed in SLRCFA's Operating Procedures.

23. Repeated failure to comply with these rules and regulations by any member may result in termination of their membership in the Saint Louis Radio Control Flying Association pending a hearing by the Board of Directors of this Association. Process begins with a letter issued to the offender, member signs and returns the letter. Second infraction mandatory suspension or expulsion from SLRCFA to be determined by the SLRCFA Board of Directors.
24. These Rules and Components of these rules may be suspended or amended by AMA-Designated Contest Directors (CD) during AMA sanctioned events. For Non-Sanctioned events, these rules or components of these rules may only be suspended for the duration of the event by an approved SLRCFA Board Motion or by a SLRCFA Board designated (Non-AMA-designated) Contest Director.

SLRCFA FIELD DIAGRAMS TO AID RULE INTERPRETATION





OPERATING PROCEDURES

St. Louis Radio Control Flying Association

April 5th, 2017

1. **Annual dues** are determined by the Board of Directors and published in the club's newsletter "ROTATE" and at SLRCFA.com. Membership is not considered active until receipt of payment of dues.

Full Membership\$195

Prime Membership.....\$250

Equivalent to FULL membership. Includes additional benefits published on SLRCFA.com.

Junior Membership\$25

23 years old and under. No voting rights.

Spouse Membership.....\$25

Legal spouse of current FULL or PRIME member.

Dual Membership\$125

- Open to all members of ANY other RC flying club (excluding Buder park flying permits)
- Must not have been a SLRCFA FULL member within the last 2 years.
- No voting rights
- Must present current membership credentials for their primary club before being accepted into SLRCFA.
- No More than 20 Dual or Associate members will be accepted into our club without board approval

Associate Membership\$95

Primary residence of member is greater than 75 miles from SLRCFA field (road miles). No Voting Rights.

- 1.1. Effective January 1, 2017 all membership payments must have been made by January 31st of the membership year to save your spot in the club. After January 31st, new members will be given priority.
- 1.2. New applicants, who join after August 1st, will be charged 50% of the FULL dues rate. Applicants who join after November 1st pay their full dues that apply to the following year, and receive November and December free.
- 1.3. Hardship requests: Applicants who have been a member of SLRCFA in good standing for at least one year may be considered for a hardship reduction of dues with a request made through an SLRCFA Board Member. Hardship request applicants will be considered on a case-by-case basis by the Board of Directors for the current membership year. Individual decisions will not be considered precedent.
2. **Field Closure**, for other than natural catastrophes, shall be decided by a simple majority of the Directors present and shall be scheduled so that the General Membership can be notified at least one week in advance through the club's website (www.slrcfa.com) or preferably through publication in the club's newsletter (Rotate) and social media.
3. **Field Maintenance**, the Board voted that ALL field maintenance issues (grass, runway, parking lot) are under the management of the appointed Field Grounds Committee. The Board of Directors must approve all field maintenance expenditures.
4. **Guests** are permitted to fly no more than two (2) visits a year and must be accompanied by a sponsoring member.
5. **Board Meetings**: Conduct for all SLRCFA Board of Directors meetings are outlined in the SLRCFA Board Meeting Rules of Order. Because time during board meetings is a valuable limited resource for the Board and Club Members, we have implemented these important rules. In that spirit, we ask that all members in attendance at the SLRCFA Board of Directors meetings help us maintain these rules of order.

6. **Grievance Procedure:** The grievance procedure provides a mechanism to enforce existing safety rules by providing a progressive disciplinary system when needed. Although most complaints can be resolved informally, if a complaint is serious or cannot be resolved informally, the matter should be referred to the SLRCFA Board of Directors for its consideration by means of a Grievance Form to be filled out and turned into a SLRCFA Officer. At least one witness is required to sign the Grievance Form (available at the field and at SLRCFA.com in the Rules & Safety section).

- 6.1. Any member receiving a Grievance, who directs any retaliatory action against the person, or persons, filing said Grievance, will be subject to disciplinary action. This is to include verbal or written threats, intimidation, physical harm, intentional equipment damage, or any other action deemed to be retaliatory by the Board of Directors.
- 6.2. Any grievance found to be a false accusation will result in disciplinary action against the accusers.
- 6.3. Grievance form:



Saint Louis Radio Control Flying Association

Date: _____

Time: _____

Nature of Violation:

[illegible]

_____ (Add another sheet if Required)

Signature: _____

Printed: _____

Witness: _____

Additional Witnesses (if any):

Submit completed form to ANY SLRCFA Officer