

**2024 FAI F5B World Championship
For Electric Model Gliders
Maricopa, Arizona U.S.A.
08 – 15 November 2024**



**Bulletin 1 - May 2024
Silent Wings Open Contest 08-09 November 2024
Sunday 10 November 2024 (Opening Ceremony)
Friday, 15 November 2024 (Closing Ceremony)**

www.modelaircraft.org/fai



FAI F5B World Championships for Electric Model Gliders – Maricopa, Arizona

Organizers:

The Academy of Model Aeronautics (AMA) in conjunction the Southwest Soaring Society (SWSS) is pleased to host the 18th FAI World Championship for Electric Model Aircraft in 2024 in the United States of America.

Location:

The location of the event, (GPS, 33.056328, -112.207861) will be the Silent Wings Ranch, Kinney Rd., Maricopa, Arizona USA which is owned by SWSS member Justin Rizer. This dedicated soaring site is tailor made for a Glider World Championship with a dedicated group of supporting club members. Site details can be found here [Home - Southwest Soaring Society \(swoaring.net\)](http://www.swoaring.net) .

Silent Wings Ranch is located 67 km Southwest of Phoenix, Arizona and 73 km Southwest of Phoenix-Sky Harbor International airport ([Phoenix Sky Harbor International Airport - Official Site](http://www.skyharbor.com)) , the nearest airport supporting international flights. All major car rental agencies are found at the Phoenix Airport. Phoenix is the largest city in the state of Arizona with a population of 4.8 million. Map on next page depicts location of flying site relative to central Phoenix. The Town of Maricopa is 27 km (driving) to the East.

Local Weather:

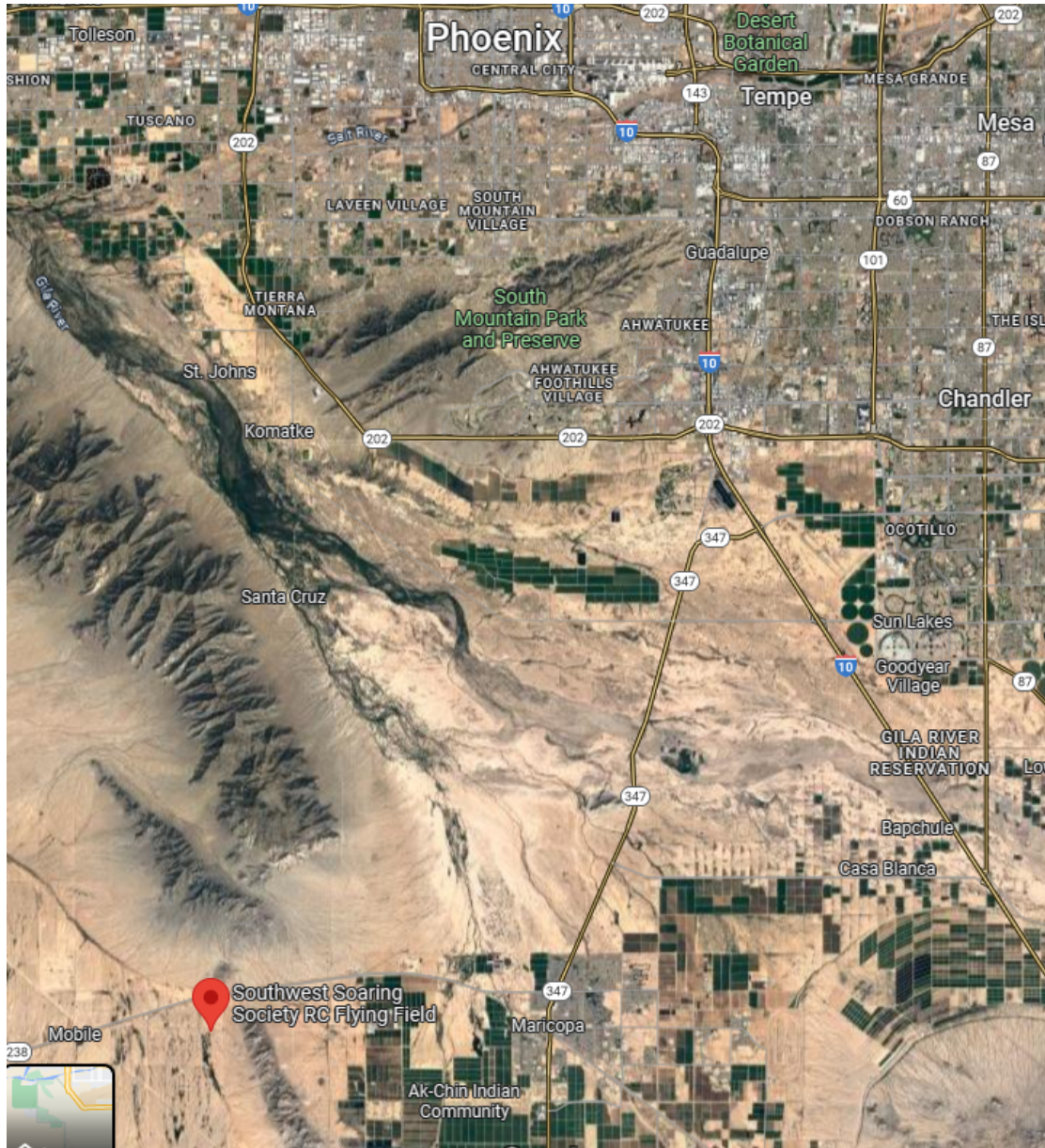
Day-time high temperature for early November is 80 degrees Fahrenheit (27 degrees Celsius) dropping to overnight low temperature of 46 degrees Fahrenheit (08 degrees Celsius). Average days that have rain in November are 5 days with an average total of 0.59” (1.5 centimeters). Silent Wings Ranch is located at 1175 feet (358 meters) above sea-level. Wind is generally out of the East and averages 2 to 8 mph (3-12 kph).



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Classes:

F5B

Rules:

The World Championship will be run according to:

- FAI Sporting Code General Section
- FAI Code of Ethics.
- FAI Anti-Doping Rules.
- FAI Sporting Code Section 4 Aeromodelling CIAM General Rules Volume 2024 Edition.
- FAI Sporting Code Section 4 Aeromodelling Volume F5 RC Electric Powered Motor Gliders 2024 Edition-Version 1.0.

The EDIC approved Neumotors Real Time Energy/Logger per Sporting Code Paragraph 5.5.1.4 will be supplied by Organizers. Two Airborne Telemetry Transceivers (ATT) selected randomly, will be provided to the contestants each contest day and collected at the conclusion of the flying day. Ground Display Gassensor Transceiver (GDGT) used in the last (2) World Championships are compatible with ATT and allow the competitor near real time monitoring of energy consumption. Energy Limiter/Logger checking per 5.5.1.5 is therefore not required and the Organizers will not facilitate Limiter checking per 5.5.2.5. The ATT monitors battery voltage and will display a fault code if open circuit voltage exceeds 42 thus complying with rule, paragraph 5.5.1.3 a).

Identification decals will be supplied at check-in. The contestants should apply them to the detachable model components as indicated on the decals. After weighing, and verification of surface area, each combination of model component shall be analyzed for surface loading compliance and a worksheet created showing maximum permissible battery weight for every possible combination. The worksheets shall be held by the Jury for spot checking purposes.

Anti-Doping Statement:

If a competitor has to take, for medical conditions, any of the substances listed on the WADA Prohibited List, he/she must have a Therapeutic Use Exemption (TUE) from the FAI which will issue the TUE Certificate. Since the Prohibited List is updated intermittently by WADA, it is recommended to review from time to time the full section for Anti-Doping in the FAI Web site, <https://fai.org/anti-doping>. You will find all the necessary information and not only.

FAI Sporting Licenses:

Each competitor and the Team Manager must possess an FAI Sporting License valid for the year of the championship. This license must be registered in the FAI license database.



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The holder of an FAI Sporting License may be required to produce an official document bearing his/her photograph and signature as proof of identity.

Protest:

All protests must be presented in writing to the Contest Director at the competition site and must be accompanied by the protest fee of EUR 50,00. The protest must clearly state which rule or procedure/process in the Sporting Code was not followed or violated, and what restitution is expected. The protest fee is refundable if the protest is upheld by the FAI Jury.

Please take note that a protest is usually the last resort, if no satisfactory result has been obtained after an inquiry and then an official complaint. Please review, FAI Sporting Code General Section and CIAM General Rules.

Official Language:

English

Visa Requirements : Visitors from Western European and Pacific Rim countries generally do not require a visa to enter the United States. To travel to the United States without a Visa you must have authorization through the Electronic System for Travel Authorization (ESTA), details here : [Official ESTA Application Website, U.S. Customs and Border Protection \(dhs.gov\)](#) . In case of doubt, please enquire in your own country. Organizer can provide invitation letter for participation in this event.

FAI Jury:

Mr. Narve Jensen	Norway	Head Juror
Mr. James Allen	United States	Juror
Mr. Sotir Lazarkov	Bulgaria	Remote Juror
Mr. Roy Andrassy	Canada	Reserve Juror
Mr. Rich Hanson	United States	Backup Reserve Juror

Composition of a National Team:

Every FAI affiliated National Aero Club (National Airsport Control Organization) may register a team as allowed by the FAI Sporting Code. A team may consist of a team Manager, five (5) pilots, provided that one is a junior (age limit 18 years in 2024) and one is a female, helpers/assistants and supporters.

The reigning Senior World Champion; Gerben Van Berkum (NED) is also invited (subject to approval of his NAC) to participate regardless of whether he qualifies for the national team or not. If he is not a member of the national teams, his score will not be considered in the team results.

If after receipt of Preliminary Entry Forms at the receipt deadline, there are insufficient entries to conduct a financially viable competition, the Organizers reserve the right to consider petitioning the CIAM to either



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cancel the event or solicit the participating NACs to appoint additional qualified entrants. This process is allowed under C.5.3 f) *National team for World and Continental Championships* , **Competitor Invitation Procedure Phases, Phase 1 and Phase 2.**

Classifications and Awards:

Individual classification

FAI medals and FAI diplomas will be awarded to the competitors placed first, second and third.

FAI medals and diplomas will be awarded to the first, second and third placed juniors only if six (6) or more juniors are competing. If the number of junior participants is less than this number (six), then only FAI diplomas will be awarded. The best junior earns the title of Junior World or Continental Champion if juniors from at least four different nations participate in that class and the total number of juniors are six (6) or more.

FAI medals and diplomas will be awarded to the first, second and third placed females only if six (6) or more females are competing. If the number of female participants is less than this number (six), then only FAI diplomas will be awarded. The best female earns the title of Female World or Continental Champion if females from at least four different nations participate in that class and the total number of females are six (6) or more.

FAI medals and FAI diplomas will be awarded to the competitors placed first, second and third. For the additional Junior classification, and Female Classification, FAI medals and FAI diplomas will be awarded to the competitors placed first, second and third. In order to award the title of Junior World Champion, or Female World Champion, there must be at least four nations with a competitor entered.

Team Classification:

FAI medals and FAI diplomas will be awarded to each member (including the fourth and fifth team member when appropriate) and the team manager of the teams placing first, second and third.

The total number of competitors allowed from each country and any additional personnel such as team managers will be in accordance with the FAI Sporting Code.

The national team classification for all CIAM classes for World or Continental Championships is established by adding together the numerical final placings of the three best placed members of the national team using the full list of competitors.

In the event that a person is serving in more than one position (team manager, competitor, helper, mechanic, etc.), he will be charged only one fee: that which represents the highest fee of the positions to be served. If at the same event, there is a senior and junior classification, any junior competitor may be a member of the senior team as well. In that case this competitor is required to pay only the entry fee for the junior's class.



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FAI Trophies:

- The Puffin Models of Bristol Trophy perpetual trophy will be awarded to the first placed pilot. Current holder Gerben Van Berkum (NED).

FAI medallions, diplomas will be issued to the pilots for the first three individual place getters and to the manager.

Organizer Awards:

In addition to the FAI awards, the organizing committee will have the pleasure of presenting additional awards.

Schedule:

Day 0	Thursday	7-Nov-24	Early Arrival – site set-up – early practice
day 1	Friday	8-Nov-24	Day One- Silent Wings Open F-5B Contest
day 2	Saturday	9- Nov-24	Day Two- Silent Wings Open F-5B Contest
day 3	Sunday	10- Nov-24	Practice Flights, Model Check-in, Opening Ceremonies
day 4	Monday	11- Nov-24	World Championship Flights Rounds 1 & 2
day 5	Tuesday	12-Nov -24	World Championship Flights Rounds 3 & 4
day 6	Wednesday	13 -Nov-24	World Championship Flights Rounds 5 & 6
day 7	Thursday	14- Nov -24	World Championship Flights Rounds 7 & 8
day 8	Friday	15- Nov -24	Weather Reserve Flights, Closing Ceremony & Banquet
		16- Nov-24	Departure of Contestants

Entry Fees :

Team Managers	400 EUR *
Senior Pilots	400 EUR *
Junior/Female Pilots	175 EUR *
Supporters	50 EUR
Silent Wings Open	60 EUR
Banquet	80 EUR

- Equivalent of 10 CHF FAI Administrative Fee should be added to these amounts

Deadlines:

Preliminary Entry Forms must be sent not later than 31 May, 2024

Official Final Entry Forms must be sent no later than 13 July, 2024

Payment of Entry Fees must be received no later than 8 August, 2024



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Bulletin 2:

Bulletin 2 will be published June 1, 2024.

Model Aircraft Specification Certificates:

All models must be processed by the competitor's NAC in accordance with CIAM General Rules C.12. Model aircraft not properly processed by their NAC, with FAI certificates and stickers, will be processed by the organizer at a cost of 8 Euro for each model (refer CIAM General Rules C.12 b).

Model Battery Charging:

The flying site may or may not have 110V AC available for charging. Competitors should be prepared to be self-sustaining with a daily supply of charged batteries and/or use automobiles for charging. Battery chargers having universal 100 to 240 VAC, 50 to 60 Hz input will require US specification 115 VAC, 60 Hz cords which may be obtained here : [Amazon.com: C2G 6FT Replacement AC Power Cord - Power Cable for TV, Computer, Monitor, Appliance & More \(03130\) : Everything Else](#)

Accommodation Details:

The Organizer recommended lodging and location of the closing banquet is Harrah's Ak-Chin Hotel & Casino, 15406 Maricopa Road, Maricopa AZ 85239. [Harrah's Ak-Chin Hotel & Casino - Phoenix, AZ \(caesars.com\)](#) . This is a large casino resort supporting diverse recreational interests including an Entertainment Center here : <https://ak-chincircle.com/> . A group rate for the event is being negotiated. There is also : [La Quinta Inn & Suites by Wyndham Maricopa - Copper Sky | Maricopa, AZ Hotels \(wyndhamhotels.com\)](#) directly across the street from the Ak-Chin. There accommodations in the Phoenix suburbs; most closer to Phoenix. Due to it being a desirable season, there are many “AIR B&B” type home rentals available suitable for housing an entire Country’s Team at a reasonable per person rate (75 to 100 USD/night).

Catering/Restaurants:

The town of Maricopa has numerous restaurants. We will have a self-pay food vendor/truck on site during lunch hours if possible.

Insurance:

The Organizer will provide a limited third-party liability insurance covering all competitors for model related activity. Non-US citizens are required to follow the same model aircraft regulations that US citizens are required to follow, including following [AMA safety guidelines](#), registering at [FAA’s Drone Zone](#), and taking [The Recreational UAS Safety Test \(TRUST\)](#). A portal will be set up through the World Championship website (<https://www.modelaircraft.org/fai>) to assist competitors and team managers in complying with these regulations prior to arriving in the US.

It is recommended that individual health and travel insurance is purchased before traveling.



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All further insurances (driving, general, legal expenses etc.) are up to the team managers, pilots, helpers, supporters and spectators. The organizer is not responsible for any kind of personal injury, loss, theft or damage to people or property during the contest and the journey and stay in the United States.

Radio Frequency Information:

All commercially available 2.4 GHz spread spectrum and 900 Mhz radio systems are permitted. Transmitters will not be impounded and will remain in the possession of the competitors at all times.

Registration of the national teams:

The team-manager needs to bring for the registration at the arrival day of his national team:

- Two national flags (approx. 1 m x 1.5 m).
- CD/DVD/USB stick with the national anthem (mp3 format).
- The Model Aircraft Specification Certificates will be required for processing of the models.

Transportation/Car Rentals:

All major car rental companies service Phoenix-Sky Harbor International Airport. All have competitive rates for daily/weekly rentals.

Miscellaneous:

- Voltage in the USA is 110v – 60Hz
- The currency in the USA is the US dollar. The official currency of the Championship will be the USD. Entry fees paid in advance via Bank Transfer may be in any currency. Once the contest begins payments should be in USD.
- Participants should check with their local US Embassy or Consulate with regard to entry/exit visa requirements.
- Driving is on the right-hand side of the road.

Map of the flying site:

The wind direction could be either out of the East or West but the only practical Distance Course leaving room for landing circles, facing North and avoiding unmovable obstacles is a right hand course with Base A near the middle of the turf area and Base B approximately 30 meters East of the field boundary into the adjoining scrub. The Safety Line judge will be positioned toward the West boundary of the field. Any scrub obstructing a sightline to Base B will be graded away prior to the Contest and an applicable barbwire fence pole will be aligned with the Safety Line and marked for an additional visual reference. The landing circles will be South of the distance course with landing approaches South of the “Equipment Shed and Water Tanks”. The Pit area will be adjoining the South grass boundary outlined in yellow.



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Event Management:

Mr Steve P. Manganelli	Event Director/Contest Director
Mr Ken Becker	President, Southwest Soaring Society, Site Host
Ms Colleen Pierce	FAI Coordinator/Entry Recipient
Mr Richard Hanson	AMA President

Web Site:

The official web site containing all World Championships information may be found at www.modelaircraft.org. This site will be kept updated with all Bulletins and other pertinent information.

Banking Information:

Beneficiary:	Northwest Bank	Academy of Model Aeronautics, Inc.
	100 Liberty Street	5161 E Memorial Drive
	Warren, PA 16365 USA	Muncie, IN 47302 USA
Routing #:	243374218	Beneficiary Account #: 5536018814
Swift Code:	NWBIOUS33	

Correspondence:

Academy of Model Aeronautics/Entry Funding
Phone: (765) 287-1256, ext. 252
Muncie IN 47302, U.S.A.
e-mail: cpierce@modelaircraft.org

Contest Administration
Steve P. Manganelli
3408 Union St.
San Diego, CA 92103



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Preliminary Entry Form

The National Aero Club (National Airsport Control Organization) of:

(Country Name): _____

Intends to send a National F5B Aeromodelling team consisting of the following:

Name of Team Manager (if known)	
Number of Competitors (including junior & female)	
Approximate number of Supporters	
Name of whom Bulletin 2 should be sent	
E-Mail Address	

	Date:
Signature of NAC Official	Seal of NAC

Please return this form before 31 May 2024 to: E-mail: cpierce@modelaircraft.org

