



**2023 FAI F3C/N**  
**WORLD CHAMPIONSHIPS**  
**FOR MODEL HELICOPTERS**  
Muncie, Indiana USA

**2023 FAI F3CN**  
**World Championships for Model Helicopters**

Classes F3C and F3N  
for Seniors and Juniors  
<https://www.modelaircraft.org/fai>

August 1<sup>st</sup> – August 10<sup>th</sup>, 2023  
Muncie, Indiana / USA  
E-mail: [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org)

Opening ceremony: 2<sup>nd</sup> of August 2023  
Closing ceremony: 9<sup>th</sup> of August 2023



**WORLD**  
**CHAMPIONSHIP**



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## **1. ORGANISER AND LOCATION**

The Academy of Model Aeronautics (AMA) in association with its Special Interest Group for Radio Control helicopters IRCHA (International Radio-Controlled Helicopter Association) invites all FAI affiliated National Air Sport Control Organizations in the World to join in the 19th FAI F3CN World Championships for model helicopters for seniors and juniors with a team in class F3C and / or with a team in class F3N for the year 2023 on the following terms:

### **1.1 COVID-19 Safety Information**

Bulletin – 2 and all the following documentation will include all the necessary information and the protocols that the organizers and the participants will have to follow to participate based on the national regulations and the FAI recommendations. Always the national regulations prevail at all times over FAI recommendations. From time to time please visit the [FAI web site COVID19 section](#) for any updates. Our web site will also be updated for this matter when so needed.

### **1.2 COVID-19 Deadline**

As it happened last year with all World or Continental Championships, as organizers we will be in direct contact with CIAM Bureau to evaluate together the situation and decide accordingly. As always public health is and will be our top priority. If it will be required to cancel or postpone the event this will be announced to you not later than (60 days before the beginning day or a specific date).

**The deadline to decide whether to continue the championships is the 30th of April 2023.**

### **1.3 Section for UAV regulations**

In Bulletin2 we will provide all necessary information about applicable rules or requirements for UAVs regulations in place, which might affect the conduct of the event.

### **1.4 Cancellation of one class**

If too few participants register in class F3C or F3N to be able to carry out a cost-covering competition, it is up to the organizer, in consultation with the CIAM Bureau, to cancel the competition for the class concerned. The competition for the remaining class will then be held alone. The decision to cancel a class must be made by the preliminary entry deadline at the latest.

### **1.5 Classes**

F3C – Aerobatic Model Helicopter – Senior and Junior

F3N – Freestyle Model Helicopters – Senior and Junior

## **1.6 Participation**

Every FAI affiliated National Aero Club (National Airsport Control Organization) in the World may enter a F3C-Team consisting of one Team Manager, a maximum of five competitors provided that at least one is a junior (age limit 18 years in the year 2023) and at least one is a woman and official helpers and/or a F3N-Team also consisting of one Team Manager, a maximum of five competitors provided that at least one is a junior (age limit 18 years in the year 2023) and at least one is a woman and official helpers, in agreement with 2023 CIAM General Rules C.5.3. The 2019 F3C World Champion and the 2019 F3N World Champion are also invited to attend. Supporters from each participating country are welcome to the event.

The reigning F3C World Champion, Hiroki Ito (JPN), and the reigning F3N World Champion, Ko Huan-Chen (TPE), have the right (subject to the approval of his NAC) to participate in the championship in their class regardless of whether or not they qualify for the national teams. If they are not a member of the national team, their scores or places will not be considered in the team results.

Every competitor can be a member of the F3C-Team and the F3N-Team and compete in both classes. In a case of doubt the jury decides about the starting time of this competitor in each round F3C and F3N.

## **1.7 F3C/F3N Junior and Women World Championships**

The F3C/F3N World Championships will also have a junior and a women classification, based on the FAI Sporting Code regulations, Section 4 – Aeromodelling – CIAM General Rules 2023 edition.

This means that every NAC may enter a junior and a female competitor by either adding them to the senior team or as their only representative.

The title of World Champion in the junior and in the women category will only be awarded if at least competitors from 4 different nations compete. Regardless of the minimum number of competitors, the organizer guarantee that the achievement of junior and female competitors will be honoured at the official award ceremony and with the FAI medals.

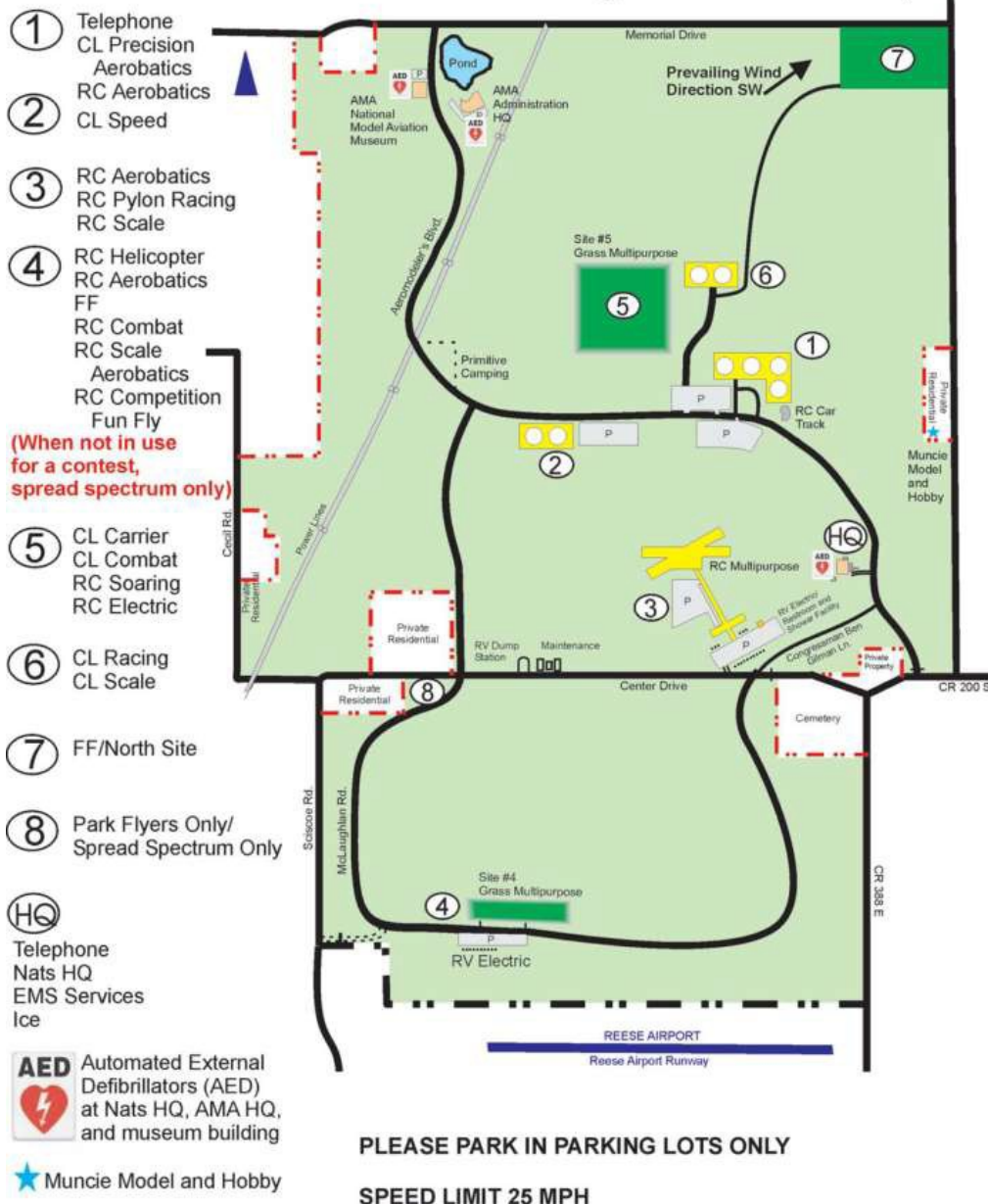
## 1.8 Location

The World Championship will be held at the International Aeromodeling Center in Muncie, Indiana USA. This 1,000-acre model flying site is the home and headquarters of the Academy of Model Aeronautics and was the site for the 2001 and 2009 F3C World Championship. Two grass areas will be utilized for the World Championship. As in 2009, two flight lines will operate simultaneously. Other areas of the site will be utilized for practice. Also featured on the site is the National Model Aviation Museum. This facility is a repository of aeromodeling's firsts and finest. Tours of the facilities and the AMA Headquarters operation will be available during the World Championship.

### **Entrance to the International Aeromodeling Center.**



# International Aeromodeling Center Site Map



## 1.9 Climate

Average weather conditions in Muncie during August are as follows:

Average min. daily temperature: 12° C

Average max daily temperature: 30° C

Average number of Rain days: 2

Average hours of sunshine: 10

## **1.10 Additional Information**

### Local Time

Eastern Daylight Savings Time (UTC – 5)

### International Dialling Codes

To USA: 001 + area code (without “0”) + number

### Emergency Numbers

Emergency number: 911

Fire / Ambulance: 911

Police: 911

### National Currency

1 \$ (US Dollar) = 100 Cent

### Money exchange

We strongly recommend to exchange money only at the cash machines, exchange offices and banks.

### Exchange rate

1 \$ = 1,01 Euro

### Electricity

USA uses 110 Volts, AC at 60 cycles/seconds. The plugs in use have three pins. Some appliances will not function well, even if equipped with an adapter.

## **2 RULES**

### **2.1 Competition Rules**

The championships will be run according to:

- FAI Sporting Code Section 4 Aeromodelling CIAM General Rules 2023 Edition.

<https://www.fai.org/page/ciam-code>

- FAI Sporting Code Section 4 Aeromodelling Volume F3 Radio Control Model Helicopters 2023 Edition.

<https://www.fai.org/page/ciam-code>

- FAI General Section and FAI Code of Ethics.

<https://www.fai.org/documents>

### **2.2 Anti-doping**

If a competitor must take, for a medical condition, any of the substances listed on the WADA Prohibited List for medical treatment, he must have a valid Therapeutic Use Exemption (TUE) from the FAI.



## **2.3 FAI Sporting Licence**

Each competitor and team manager must possess a FAI Sporting Licence valid for the year of the championships. This licence must be registered in the FAI licences database. The holder of a FAI Sporting Licence may be required to produce an official document bearing his photograph and signature as proof of identity.

## **2.4 Protest Deposit**

Protest can be made according to FAI Sporting Code, Section 4, VOLUME ABR, paragraph B.17 with the deposit of 50 €. If the protest is upheld the deposit will be returned.

## **3 OFFICIAL LANGUAGES**

Official Languages are English.

## **4 FAI JURY**

Stefan Wolf (GER) – Jury President

Cliff Hiatt (USA)

Robert Holzmann (AUT)

Reserve:

Eladi Lozano Garcia (ESP)

Liam Broderick (IRE)

## **5 JUDGES AND CONTEST DIRECTOR**

### **5.1 Contest Director**

Craig Bradley (USA)

All the other members of the World Championships flightline teams will be published in Bulletin 2.

### **5.2 FAI Judges F3C**

Roger Lacombe (FRA)

Eladi Garcia Lozano (ESP)

Gordie Meade (USA)

Miguel Ramos (PHI)

Beat Tanner (SUI)

### **5.3 FAI Judges F3N**

Liam Broderick (IRE)

Oscar Chinello (ITA)

Kim Jensen (DEN)

Wes Minear (USA)

Nigel Revill (GBR)

Reserve judges:  
Robert Holzmann (AUT) F3C and F3N

## 6 CLASSIFICATION AND AWARDS

### 6.1 Individual classification

FAI medals and diplomas will be awarded to the first three individual places for senior, for junior and for female pilots.

If there are less than four nations in the junior and women category, the junior World Champion and the women World Champion title will not be awarded.

### 6.2 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 placed first, second and third.

### 6.3 FAI Trophies

Category	Name	Condition	Box	Awarded
F3C Individual	Challenge Trophy	Good	Yes	Hiroki Ito (JPN)
F3C Team	Challenge Trophy	Moderate	Yes	Japan

## 7 SCHEDULE

Date	F3C	F3N
Tuesday, August 1	Arrival Teams F3C and F3N Arrival Jury and Judges	
Wednesday, August 2	Registration Teams F3C Model Processing Judge Training Official Practice	Registration Teams F3N Model Processing Judge Training Official Practice
	Opening Ceremony	
	Meeting for Team-Managers, Jury, Judges and Contest Director at Meeting Room	
Thursday, August 3	Preliminary Round 1 (Schedule P)	Preliminary Round 1 (Set manoeuvres)
Friday, August 4	Preliminary Round 2 (Schedule P)	Preliminary Round 2 (Freestyle)
Saturday, August 5	Preliminary Round 3 (Schedule P)	Preliminary Round 3 (Set manoeuvres)
	F3CN Subcommittee Meeting at Meeting Room	
Sunday, August 6	Preliminary Round 4 (Schedule P)	Preliminary Round 4 (Music Freestyle)
	Team Awards will be presented at the end of Round 4. Meeting for Team-Managers, Jury, Judges and Contest Director at Meeting Room	
Monday, August 7	Semi-final Round 1 (Schedule F)	Final Round 1 (Set manoeuvres)
Tuesday, August 8	Semi-final Round 2 (Schedule F)	Final Round 2 (Freestyle)
	Meeting for Team-Managers F3C, Jury, Judges and Contest Director at Meeting Room	
Wednesday, August 9	Final Round 1 (Schedule F) Final Round 2 (Schedule F)	Final Round 3 (Music Freestyle)
	Prize-Giving Closing Ceremony Banquet	
Thursday, Aug 10 – Sunday, August 13	IRCHA Jamboree	

**NOTE:** The organisers reserve the right to change this schedule if necessary

A more detailed schedule will be published in Bulletin 2.

## 8 ENTRY FEES

Team Manager F3C and F3N	€ 400,00	This covers participation to the World Championships, access to the flightline, entry to Opening Ceremony, souvenirs and gifts.
Senior Competitor F3C and F3N	€ 565,00	This covers participation to the World Championships, access to the flightline, entry to Opening Ceremony, souvenirs and gifts.
Junior Competitor F3C and F3N	€ 300,00	This covers participation to the World Championships, access to the flightline, entry to Opening Ceremony, souvenirs and gifts.
Caller, Helper or Mechanic	€ 80,00	This covers participation to the World Championships, access to the flightline, entry to Opening Ceremony, souvenirs and gifts.
Supporter	€ 80,00	This covers participation to the World Championships, entry to Opening Ceremony, souvenirs and gifts.
Banquet Fee	€ 50,00	Including foods and drinks

A competitor who will be also a team manager will only pay the entry fee of a competitor. A 50% discount will be offered on the second entry fee when a competitor is flying in more than one class.

## 9 DEADLINES

### 9.1 Preliminary Entry Form

The Preliminary Entry Form typed or written in block letters and signed and stamped by NAC shall be sent by post or e-mail no later than **April 30<sup>th</sup>, 2023**. **This is also the date until which we decide whether to continue the championships.**

### 9.2 Final Entry Form

The Final Entry Form typed or written in block letters and signed and stamped by NAC shall be sent by e-mail no later than May 31<sup>st</sup>, 2023.

Entry Forms please send to email: [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org)

Passport size photographs of all team members (min resolution 300 dpi) have to be sent by email to the organiser not later than May 31<sup>st</sup>, 2023. Therefore use the following email address: [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org)

### 9.3 Terms of Payment

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:	NWBIUS33	

Please note that all bank charges are the responsibility of the debtor.

Please do mark every payment with "2023 WCh F3CN – Country Name"

**All fees must be received by the organisers at June 30th, 2023.** This also includes payment for banquet etc. (acc. to Final Entry Form). For entry fees received later than June 30th, 2023, participants must pay an additional fee of 15%. The entry fee paid at the contest site will be increased by 20% and must be paid in cash at the contest office.

## 10 LODGING AND MEALS

### 10.1 Accommodation

We are currently negotiating a special deal with the **Courtyard by Marriott Muncie @ Horizon Convention Center** at 601 S High Street to be used as the official lodging choice. More information regarding these special prices will be forthcoming. However, numerous, quality, reasonably priced hotels are available in the Muncie area, just a short drive from the World Championship site. Camping is also available on the AMA site. The site features 43 recreational vehicle sites with 50-amp electric service. An RV dump station, fresh water, and hot showers are also available on the AMA site. Premium; Full Hookup service is \$35.00, Deluxe; Electric/Water service is \$25.00 USD per night. Primitive; is \$10.00 USD per night. To reserve your camping site at the IAC, please use the following link:

<https://www.campspot.com/book/internationalaeromodelingcenter>

### 10.2 Meals

During the competition days there will be lunch available at the flying field. The lunch price is not included in the entry fee. At the flying field, participants will be able to buy refreshments and food on competition days. The price for one meal (lunch) at the flying field (hot meal, grill, etc.) will be approximately \$5.00-\$6.00 USD.

### 10.3 Banquet

The banquet will take place Wednesday, August 9th, 19:30 hours (admission is possible starting at 19:00 hours).

Tickets are € 50 per person non-alcoholic drinks are included. Tables and additional tickets to be ordered during registration.

## 11 INSURANCE

The participants are advised to have their own insurance for theft, goods, accident and medical.

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 is being 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.

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.

## **12 FREQUENCIES**

Only 2.4 GHz spread spectrum radio control systems are allowed (output power up to 100 mW according to EN 300 328 Standard).

## **13 COMPLEMENTARY INFORMATION**

### **13.1 Model Aircraft Specification Certificates**

Every contestant must have a valid certificate from his national federation (specified in FAI Sporting Code, Section 4, VOLUME ABR, paragraph B.16.7.) for every model. Models without suitable marking will be marked by the organizer for \$10 USD per model.

### **13.2 Practice Sites**

Three practice areas will be available on the International Aeromodeling Center. All of these areas will be near the actual sites used for the World Championship. All areas will be grass.

### **13.3 Shipping Batteries / Fuel for models**

Batteries/Fuel for F3C and F3N models can be shipped to the Organisers. The responsibility for in time delivery of Batteries/Fuel to the contest site lies on contestants. The Organisers are responsible for arranging safe storage for this Batteries / Fuel.

Please feel free to ask for the receiving address at [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org)

### **13.4 Visa requirements**

<http://www.travel.state.gov/content/travel/en/us-visas.html>

### **13.5 Registration of the national teams**

Documents to be presented at registration:

- entry form signed and stamped by the National Aero Club / National Federation
- Valid FAI Licences of competitors, Team-Manager, Team-Mangers Assistant
- The holder of a FAI Sporting Licence may be required to produce an official document bearing his photograph and signature as proof of identity.

- The proof of payment of entry fee and fuel
- Model certificates to be presented only during model processing
- 2 national flags, approx. 1 x 1.5 m
- National anthem on USB-Stick

At the registration the team manager will receive the ID cards, Information and program folder, souvenirs and the banquet voucher (if ordered).

The national flags and the anthem will be returned to the Team Manager after the Closing Ceremony.

### **13.6 Registration of the jury members and judges**

At the registration the jury members and judges will receive the ID cards, travel expenses, souvenirs and the banquet voucher.

### **13.7 Free WiFi**

The organiser will provide free Wi-Fi at each flightline. The official website of the World Championships will be updated with the competitors' results during the whole Championships Day.

### **13.8 Tour**

The organiser has not decided yet if a tour will be organized during the event. More information will be published in Bulletin 2.

### **13.9 IRCHA Jamboree**

We are pleased to announce that the International Radio Control Helicopter Association (IRCHA) World Helicopter Jamboree will immediately follow the World Championship on the AMA site. All World Championship participants, families, and friends are invited to participate in this event. The "Jamboree" is internationally known as the largest gathering of model helicopter enthusiasts in the world. A manufacturer's exhibition area, product demonstrations and many other special events are planned. The Freestyle Airshow will also be a part of the "Jamboree." The freestyle event is open to all World Championship participants as well as other registered AMA members.

## **14 ORGANISER CONTACT DETAILS**

### **Academy of Model Aeronautics**

2023 F3CN Helicopter World Championship

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