

# Bulletin

## Euro Heli Series F3N World Cup (GER 2018)

### Intro:

We are very happy to announce that the “FMSV-Kleinenbroich” will be hosting an F3N World Cup event as part of the Euro Heli Series over the weekend of 19th/20th May 2018. This event will be FAI registered.

We invite all F3N pilots to join the German World Cup event 2018 in Kleinenbroich!

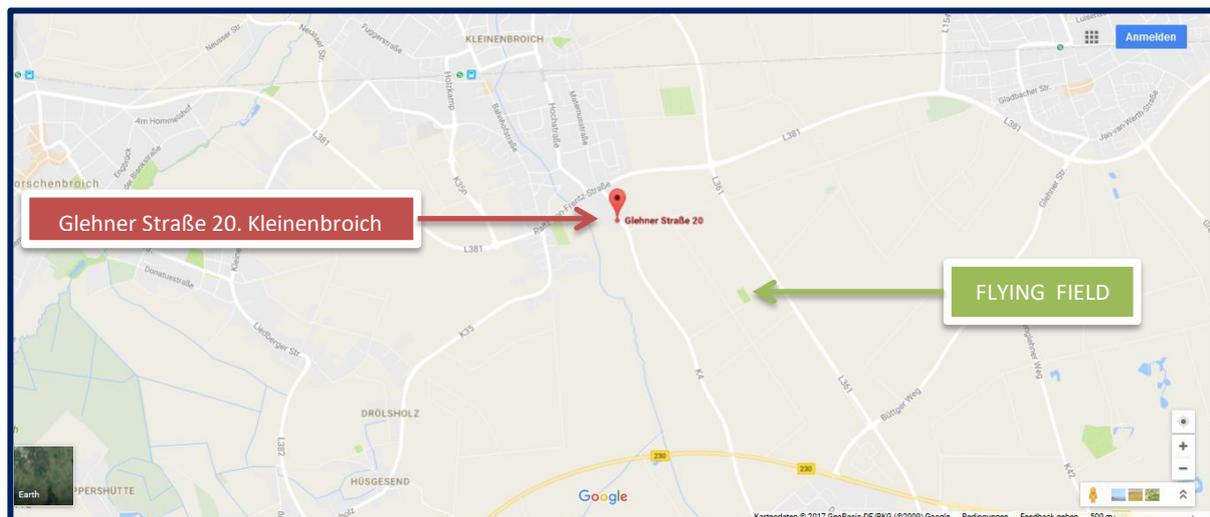
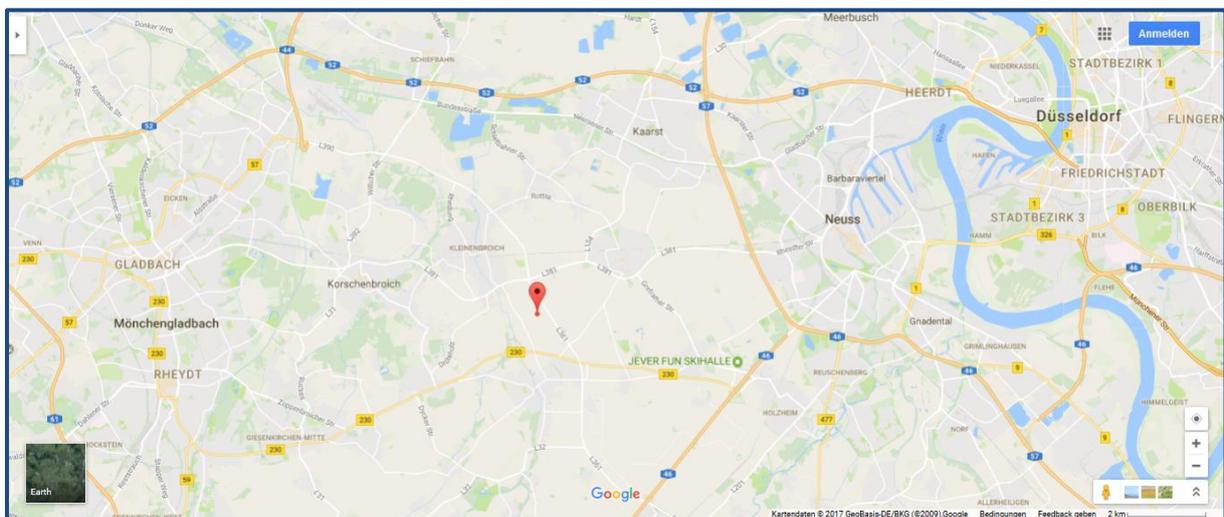
### Venue:

Kleinenbroich belongs to Korschenbroich between Mönchengladbach and Düsseldorf.

Navi: Glehner Str. 21 or 20 – then continue straight on for 800 meters. Turn (the second little Street) left.

GPS: N51°10'57" E6°34'37

Google Maps: <https://www.flying field/kleinenbroich>



## **Number of flights:**

We plan to perform 4 “P” flights (Set Manoeuvres, Freestyle, Set Manoeuvres, Music) and 3 “F” flights (Set Manoeuvres, Freestyle, Musik)

## **Flight Order:**

Randomly selected by the computer prior to the start of the competition.

## **Calibration Flights:**

Calibration flight for P Schedule will be selected at random and performed by one of the pilots present during the last World Championship.

Calibration flight for F Schedule will be performed by pilot ranked 11th in the preliminary rounds.

## **Schedule:**

**Friday 09th June (Subject to Change)** Free practice

### **Saturday 19th May (Subject to Change)**

08:45-09:00 Pilots Briefing

09:00-09:10 P (Set Manoeuvres) schedule calibration flight

09:15-11:15 1<sup>st</sup> Round of schedule P (Set Manoeuvres)

11:20-12:35 2<sup>nd</sup> Round of Schedule P (Freestyle)

12:30-13:15 Break

13:15-15:00 3<sup>rd</sup> Round of schedule P (Set Manoeuvres)

15:00-15:30 Break

15:30-17:00 4<sup>th</sup> Round of schedule P (Music)

### **Sunday 20th May (Subject to Change)**

09:00-10:20 1<sup>st</sup> Round of schedule F (Set Manoeuvres)

10:25-11:15 2<sup>nd</sup> Round of Schedule F (Freestyle)

11:20-12:20 4<sup>th</sup> Round of schedule F (Music)

13:00-13:30 Award ceremony

## **Competitors:**

This is an FAI F3N World Cup Open event and all F3N pilots are invited to attend.

**Competition Rules:** In accordance with the FAI Sporting Code (including ranking), Section 4, 2018 Edition as well as all applicable amendments.

*NEW: According to the new rules from the Plenary Meeting in Lausanne, we will follow this new rules as a “Local Rule” in Germany already in our competition. A summary of the important changes you will find at the end of this document.*

The main change for F3N is, that every pilot makes his choice of seven (not eight) different manoeuvres from the list of manoeuvres

**Protests:**

All protests must be presented in writing to the Contest Director at the competition site and must be accompanied by a deposit of 35€. The deposit will only be returned if the protest is upheld.

**Complaints:** All complaints must be presented in writing to the Contest Director at the competition site and must be accompanied by a deposit of 35€. The deposit will only be returned if the complaint is upheld.

**Anti-Doping:** In case a competitor has to take any of the substances listed on the WADA Prohibited List for medical treatment then he must have a Therapeutic Use Exemption from the FAI.

**Awards:** A Diploma will be awarded to all competitors.

**Official Language:** Official language will be English.

**Entry Fee:** Seniors €80 / Juniors €40

They entry fee can be paid by PayPal to [r.baeumener@googlemail.com](mailto:r.baeumener@googlemail.com)  
(please use "paypal friends" option)

**Pilot's registration:** The maximum number of pilots will be 25. Registration will only be confirmed once a registration form and entry fee have been received. Registration will be open from receipt of this bulletin until 1st June 2017. An acknowledgement of your registration will then be sent to you confirming your place is reserved.

**Frequency:** 2.4GHz only

**FAI Judges** (not 100% confirmed):

Francois Dussaugey (FRA)

Jason Platts (GBR)

Rüdiger Spohr (GER)

Tobias Kern (GER)

Stefan Wolf (GER)

**FAI Jury:**

Stefan Wolf (GER), Ralf Bäumener (GER), Kay Matthiesen (GER)

**Competition Director:** Ralf Bäumener

**Analytics:** Marion Bäumener

**Organiser:** Ralf Bäumener ([r.baeumener@gmail.com](mailto:r.baeumener@gmail.com))

**Meals:** Food will be available to purchase at the field on Saturday and Sunday lunchtimes for all pilots, judges and their families. Please advise total number to be catered for on your application form. Drinks will be available all weekend at the field. The plan for Saturday

evening is either BBQ on the field or booking a restaurant for all. It depends on weather conditions and personal preferences.

## **Hotels:**

Please take a look at:

- [www.booking.com](http://www.booking.com).
- [www.tespo.de/hotel](http://www.tespo.de/hotel) (You can use good conditions, if you will rent your rooms up to 15.03.2017 (Keyword: Baeumener)
- <http://www.bienefeld-hotel.de/>
- <http://www.accorhotels.com/de/hotel-A003-mercure-hotel-duesseldorf-kaarst/index.shtml>
- <https://www.hotelfireandice.de/>
- [www.google.de/maps/search/hotel+korschenbroich](http://www.google.de/maps/search/hotel+korschenbroich)

**If you have any questions please feel free to write an email to**  
**[r.baeumener@gmail.com](mailto:r.baeumener@gmail.com)**

**Also, take a look at the Euro-Heli-Series webpage**  
**[www.euroheliseries.net](http://www.euroheliseries.net)**

This event is sponsored by:



Annex:

### **5.11.10 Flight Program**

#### **Safety During the Flights**

The prohibited flying area (see figure 5.11.A) is observed by the judges. If the safety line is crossed the flight shall be scored zero points.

The competitor may choose his position during the flight with the following constraints:

- (a) The MA must not be flown between the pilot and judges.
- (b) The pilot must stand in front of the judges.

The non-observance of these constraints will be penalised by a zero score in the safety criterion for the manoeuvre or the flight in Freestyle.

If, during a flight in any of the schedules, a part of the helicopter except the landing gear or tail fin

touches the ground the flight is terminated and scored zero points. This also applies to the MA tilting over after a landing or autorotation.

### **Set Manoeuvre Flight**

Every pilot makes his choice of **seven** different manoeuvres from the list of manoeuvres (refer to paragraph 5.11.11). He may choose different manoeuvres for each round. The list with the manoeuvres chosen for a round must be delivered to the Contest Director or an official before the beginning of the round. The flight time of the Set Manoeuvre rounds is eight minutes.

### **Freestyle Flight**

Each competitor is given a flight timeframe of at least three, and no more than four minutes. During this time there are no restrictions for the flight or the performed manoeuvres except those regarding safety. The play-back of music is not allowed. The flight time begins when the helper gives a distinctive hand signal and finishes only with another distinctive helper hand signal.

### **Music Freestyle Flight**

The same criteria as in Freestyle, but the play-back of music during the flight is prescribed. The flight time begins when the helper gives a distinctive hand signal and finishes only with another distinctive helper hand signal. If the music starts before the flight, the flight time starts not later than 15 seconds after the start of the music.

### **Aerobatic Manoeuvres in Basic Orientations**

~~40~~ **3** Examples: Immelmann, short straight passages, loop, loop with full pirouette on top, roll, turn, 540° turn, pirouettes

~~45~~ **5** Examples: ½ Cuban eight, long passages, nose-in circle, flips, autorotation

~~20~~ **6** Examples: inverted hovering on eyelevel, flip sideward, Cuban eight, flips with hovering stops

~~20-30~~ **6-10** Examples: Horizontal eight, loop sideways, turn with hesitations and/or changes of turning direction, rolling stall turn, autorotation with 180 degree turn, death spiral, knife edge pirouette, speed circle, stationary tictoc, funnel, 4-point roll, multi-point tictoc, Snake

### **Aerobatic Manoeuvres in Several Orientations**

~~30-45~~ **10-15** Aerobatic manoeuvres that demonstrate several orientations like inverted, sideways, backwards etc.

Examples: Backward Inverted Cuban eight, skids in and out knife edge manoeuvres, snake parallel to flight line and to centerline, different kinds of funnels like waltz

### **Aerobatic Manoeuvres including Piros, Rolls and Flips Etc**

~~40-55~~ **13-18** Aerobatic manoeuvres flown in a way where in addition to the CG movement of the main manoeuvre, the model is continuously performing rolls, piros, flips, tictocs or similar. In order to get a high score, many orientations must be shown.

Examples: Pirouetting Globe, Chaos, Rolling Globe, Rolling circles, Pirouetting funnels

### **Aerobatic Manoeuvres including Reversals and Transformations**

~~50-60~~ **17-20** Aerobatic manoeuvres flown in a way, where piros, rolls, tictocs or other secondary manoeuvres are included/integrated and reversed in an equal and balanced way.

Examples: Rolling globe with roll reversals, horizontal circle with continuous flips/rolls so that tail boom is always parallel to centerline, Reversing chaos  
In order to score near maximum, many orientation changes must be displayed, and flight must include many clearly defined manoeuvres