



Application for organizing the 37th FAI World Gliding Championships in 2021

Applicant:

Name: Hungarian Gliding Association

Date of Application: 30th September, 2017 (Final Bid to be submitted: before 31st December)

Organizing Group: Hungarian Gliding Association

Name and address of National Aero Club: Hungarian Aeronautical Association, Magyar Repülő Szövetség, 1138 Budapest, Dagály u. 11/A.

Proposed Competition Director: András Zénó GYÖNGYÖSI

András is a Meteorologist and competitor glider pilot. IGC Delegate and President of the Hungarian Gliding Association since 2009. Championship Meteorologist and member of Organizing Committee at numerous gliding competitions (including Hungarian Nationals, LX Cups, Flatland Cups, Flight Challenge Cups, WWGC 2009, WGC 2010, EGC 2015, 13.5m WGC 2017), organizer of several competitions, Competition Director of (flapped) WGC 2010 and 2017, Deputy Competition Director of (heavy) EGC 2015 at Ócsény. Member of Hungarian National Gliding Team from 2008 till 2010, participant of WGC 2010 at Prievidza (in Standard Class). Championship Director of FAI 13.5m Class World Gliding Championship in 2017 at Szatymaz, and Junior's World Gliding Championship in 2019 at Szeged.

Proposed organizer: Peter SZABO

Peter is an airline pilot, chief of Aeroclub Alfoldi, the largest and most successful gliding club in Hungary, chief of Airfield Szatymaz, location of many-many successful international competitions LX cup and Hungarian Nationals, member of the Organizing Team of EGC2002, IGC Delegate, Member of Gliding Team Hungary for decades, participant of several European and Worlds Gliding Championships, co-organizer of the FAI CIVA price winner WGAC 2016 event. He is also the coach of the Hungarian Gliding Team since 2016.

Proposed Co-Organizer: Tamas ABRANYI

Tamas is an entrepreneur, manager of a high level Hungarian company, and an aerobatic pilot, Championship Director of WGAC 2015 at the proposed location of the event (LHMP Matkopuszta Airfield).

Proposed Organization of the event:

Competition Classes: 18-meter, 20-meter Two-seater and Open Classes.

Contact person (for the applicant):

Name: Andras Zeno GYONGYOSI and Peter SZABO (IGC Delegates of Hungary)

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1. Event and Year

1.1 Name of Competition: 37th FAI World Gliding Championship

1.2 Year of event: 2021

2. Site

2.1 Name of the airfield: Matkópuszta Airfield (LHMP)

2.1.1 Co-ordinates: N46.7827505, E19.662482

2.1.2 Nearest Town: airfield at 12 km West to city Kecskemét

2.1.3 Experience of organizing staff in organization of championships

Airfield was the location of several Hungarian Nationals between 2001 and 2005. In 2016 it was the location of the FAI CIVA trophy winner best CAT 1 event of the year FAI World Gliding Aerobatic Championships (19th FAI WGAC and 7th FAI WAGAC). Organizing staff include members of the Organizing Teams of EGC2002 (Békéscsaba), WWGC2009, WGC2010, (Szeged), EGC2015 (Ócsény) and WGAC/WAGAC2015 (Matkópuszta) and several Hungarian Nationals and other gliding competitions.

2.2 Proposed period for the event

2.2.1 Preferred Competition Dates: 21st July to 7th August 2021 (including Official Practice Days and Opening and Closing Ceremonies). Competition flying days from 25th July till 6th August.

2.2.2 Alternate dates for competition n/a (we are open to other dates)

2.3. Airfield operating data

2.3.1 Surface of airfield, number and directions of runways

Surface: more than 100 ha grass, RWY 13/31 (1130mx700m).

2.3.2 Number of towplanes that will be employed to launch
1 towplane every 8 non-selflauncher gliders.

2.3.3 Meteorological facilities that will be provided

- Experienced gliding competition forecaster presents 24/7 on site.
- Forecast supported by meteorological data obtained from the Hungarian National Weather Service (HMS) and the Hungarian Military Weather Service: upper air, remotely sensed (radar and satellite) and surface (weather, temperature, and humidity) observations and aeronautical weather hazard predictions.
- Our own Numerical Weather Prediction Modeling System – dedicated for the purpose of the competition – is providing derived output products for the needs of the gliding competition.
- Weather station of the HMS network close to the airport with experienced synoptic forecasters on duty 24/7, rawinsonde observations twice a day (00 and 12Z) close to the airport.
- Local “TEMP” measurements (possibly made with UAVs) up to 2000mAGL launched between 06 and 07LT on every competitions' flying days.
- Local, high frequency virtual-temperature measurements on the airfield
- English speaking sniffer glider information to support precise launching time decision

2.3.4 Repair facilities for gliders

We have a workshop on site for basic repairs with qualified staff

2.3.5 Repair facilities for radios and instruments

n/a

2.3.6 Oxygen requirements and supply facilities, if required

not required

2.3.7 What plans do you have to implement the FAI Environmental Code of Conduct during your event?

Separate collection of waste (plastic/paper/metal/batteries etc) will be applied.

2.4 Airfield Infrastructure

2.4.1 Briefing Room

briefing Hangar 180 m² area, plus a tent for briefings 400 m² available for the needs of the event. Briefing room with high contrast beamer (visible by daylight as well), large displays, WiFi and PA system, tables and chairs. Air-conditioned room will be provided for TC, Jury and Steward meetings, Press Centre (all together 4 rooms are available for these purpose).

2.4.6 Communication and Wi-Fi capability

WiFi Hotspot in restaurant, pub, swimming pool, camping. GSM coverage 99% in the whole territory of the competition area (Hungary).

2.4.7 Insurance availability for gliders

Teams shall ensure proper insurance coverage for gliders and team members.

2.4.8 Emergency (including fire)

Firefighting and other ground rescue services are available from the city of Kecskemet (12 km). The nearest hospital is at Kecskemet (about 12 km from the Airfield).

2.4.9 Medical and First Aid

First aid station will be available at the airfield Matkopuszta with certified staff.

3. Accommodation and food for competitors

3.1 Accommodations available in the local area

About 100 guests can be accommodated in the vicinity at private houses and hotels.

3.2 Camping facilities at or near the airfield

At the airfield 18 rooms are available in 6 bungalows. In addition, 12 rooms are available in the club house. In addition, camping with proper number and quality of showers and toilets for caravans and tents suitable for 200 visitors at the airfield. Swimming pool and Barbecue Garden free of charge at the airfield for competitors and Team members.

3.3 Catering for competitors at the airfield including an indication of prices

High quality buffet breakfast and menu dinners for the period of the event at the Restaurant on the Airfield. In addition, several restaurants are available in the vicinity.

4. Competition area

Only the Airspace inside BUD FIR (Hungary) will be used. Restricted and prohibited areas will be excluded.

4.1 Topography in the contest area

The landscape around Matkopuszta is flat, covered by wide croplands, grasslands and mixed deciduous and evergreen forests. The average size of a typical cropland is over 1 km, ideal for safe outlanding.

The soil of the surrounding area is sandy (between the Danube and the Tisza rivers) or clay and loam (East to the Tisza river). Industrial area and huge green house cultivation are also a good source of convection in most cases.

About 80 km North from Matkopuszta mid-level hills and low mountains are giving opportunities for flying in a changing environment. Big rivers are sometimes significant divides of weather and have significant convergence effect on soaring conditions.

4.2 A comprehensive survey of meteorological conditions

The climate of the Great Hungarian Plain is semi-arid and arid continental, with a mean duration of sunshine over 3000 hours and precipitation around 500 mm per year (the amount of precipitation in some unusually humid years may rise up to 1000-1500mm, even in the Southwest part of the country).

Low pressure systems and weather fronts usually decay before their arrival due to the joint dissipative effect of the continental climate and the arid flatland inside the Carpathian basin. In case of the penetration of a Mediterranean depression system however, 2-4 subsequent days may be influenced by low ceiling, strong wind and precipitation (in summer preferably showers but sometimes rain or drizzle as well). The average climb rates in arid years is up to 4 m/s (or sometimes more) and the convective cloud base (or top of blue thermal) around 2000m AGL (sometimes over 3000m). The initiation of thermal activity in July is around 0900LT, and thermal activity terminates usually not before 1800LT. In some exceptionally humid periods the cloud base may be at 1000m, and average 1m/s climb is expected. Diagrams and charts about gliding climatic conditions will be provided later in the Annex of the Final Bid (under preparation).

The daily maximum temperature in July and August is usually around 30 degrees centigrade; highs over 35 are not unusual either. Daily minimum temperature usually around 20, however, in some exceptional cases, lows may drop below 15 centigrade even in July.

4.3 Airspace restrictions in the contest area

State border Hungary from South, Military Restricted Airspace to the North (active only on weekdays), and Civilian Airspace of International Airport Budapest (80 km) and Debrecen (80 km). The altitude limit is 9500 feet QNH.

4.4 Typical tasks to be expected

Racing and Assigned Area Tasks ranging from 250 to 750 km in usual July weather conditions.

5. Rules

No deviation is anticipated from default task options and common rules.

5.1 Default options in Annex A are

- | | |
|---------------------------|----------------------|
| 5.1.1 Starting procedures | Start Line |
| 5.1.2 Tasks | Racing and Speed AAT |
| 5.1.3 Finish procedures | Finish Ring |

5.2 Indicate any particular conditions or possible restrictions that may be applied that would make it difficult for an individual or a team to attend the proposed venue

EU legislation

5.3 Number of competitors

Maximum 150 competitors.

5.3.1 State the maximum number of competitors that may be entered in the competition

50 competition gliders per classes, 150 gliders total.

5.3.1.1 Provide explanation for this number and proposals for safe separation of classes.

Airfield and airspace is great enough to be suitable for even such high number of participants.

6. Costs

6.1 Entry fee

900 EUR

6.1.1 Services included in the entry fee

All Operational costs are covered by the entry fee including:

- Aeronautical Chart for the Competition
- Competition package with utilities and surprise gifts
- Daily TC & Pilots' briefing
- Copy of weather and task sheets for competitors and TCs.
- Water ballast filling facilities near tie-down area
- Text message notifications for TCs and Pilots
- Multiple WiFi Hot Spots (reachable at most public places)
- re-hydration beverages on the grid
- Weather, tracking and result information displayed in social area
- and much more

Aero tows, catering for Team members and accommodation costs excluded.

6.1.2 Cost of aero tows

70 EUR (release height at 600mAGL)

6.2 Rental cars and availability with tow hitch

Yes, contact organizers for details.

6.3 Accommodation Availability and Costs for teams

6.3.1 Hotels

25 – 80 EUR/day

6.3.2 Apartments

25 – 70 EUR/day

6.3.3 Bed and Breakfast

25 – 50 EUR/day

6.3.4 Camping

9 EUR/person/day + 3 EUR/caravan/day (tent unit price is free of charge).

6.4 Provide an indicative example for the expected total costs during the contest period for a pilot with 2 crew members

Minimal costs per competitors with 2 crew: 900 (entry fee) + 3x200EUR catering for pilot and 2 crew members + 9x3x16=432 EUR camping total 1820 EUR.

7. Glider Hiring

7.1 The availability of local gliders for hire

Some gliders are available locally, please contact organizers as early as possible for details.

7.2 The costs of hire

Standard European prices.

7.3 Any restrictions on hire

n/a

8. Training

8.1 Provide details of any proposed training opportunities for teams and individuals prior to the Championships.

In Hungary several competitions are organized every year, open to international competitors. We plan to organize international competition in 2020 at the competition site at the same time as the WGC for interested competitors and