

## **Local Regulations**

### **Aerobattle 2016**

Bulgarian National Championship

22/08/2016 ver. 2

<http://airtribune.com/aerobattle2016>



**Zlatitsa, Bulgaria**  
**22 – 28 August 2016**

SKYCAMP Paragliding Club  
Free Dimension – Chelopech  
Free Dimension - Zlatitsa

These local regulations are to be used in conjunction with General Section and Section 7B of the FAI Sporting Code.

Reference numbers for Section 7B used in this text should be crosschecked with the latest edition of Section 7B.

## 1 - CONTACTS

- General organization: (aerobattle2014@gmail.com)

Ivo Gerov , Georgi Jordanov, Georgi Topuzov, Teodora Velichkova, Cvetan Bakardjiev

- MD - Teodora Velichkova
- Scorer - Hristo Chernogorov
- Retrieve - Hristina Manolova
- Safety - Ivo Gerov
- Office - Hristo Chernogorov
- PR - Boryana Chtirkova
- takeoff mng. - Ivo Gerov

- Main Headquarters:

**Extreme Center — Tsarkvishte village**

GPS: N 42.7239 E024.109699

- Organizing NAC: (www.bnac.bg)

Bulgarian National Aero Club (BNAC) – [info@bnac.bg](mailto:info@bnac.bg)

## 2 - PROGRAM

Training day:

22.08

Registration:

22.08 from 17:00 till 20:00 and

23.08 from 08:00 till 08:40

Opening ceremony:

23.08 from 09:00 till 09:30

**Mandatory safety briefing:**

23.08 from 09:30 till 10:00

Competition days:

from 23 till 27.08.2016

Reserve competition day:

28.08.2016 – if we have 3 or less valid tasks

Weather & Safety briefing:

daily at HQ from 09:00

Task briefing :

every competition day from 11:00 on takeoff site

Prize-giving and closing ceremony:

28.08 at 19:00 (or at 11.00 if no task on 28<sup>th</sup>)

## 3 - TYPICAL DAILY SCHEDULE

- 08:50 - Headquarters opens
- 09:20 - 11:00 - Transport to take-off
- 11:00 - Meet Director and Task Committee meetings
- 11:20 - Pilots briefing / Task definition
- 11:40 - Take-off window opens
- 18:00 - Scoring office opens at the main Headquarters
- 20:00 – Landing deadline and Safe landing report deadline
- 20:30 - Scoring office closes
- 21:00 - Provisional results

*This schedule is subject to change by the Meet Director.*

## 4 - OFFICIALS AND STAFF

### The Organization

- |                            |  |
|----------------------------|--|
| • General Organization     | SkyCamp Paragliding Club, Free Dimension –<br>Chelopech, Free Dimension - Zlatitsa |
| • NAC                      | Bulgarian National Aero Club   |
| • Meet Director            | Teodora Velichkova   |
| • Safety director          | Ivo Gerov  |
| • Take-Off Marshall        | Ivo Gerov(*)   |
| • Scorer                   | Hristo Chernogorov   |
| • Transport and Retrieval  | Hristina Manolova  |
| • Weather Forecast         | Georgi Jordanov  |
| • Crew Coordinator         | Chavdar  |
| • Headquarters Coordinator | Ani Tomeva   |

## 5 - FLYING SITES

Main take-off:

### Zlatitsa

- Main Take-off: Zlatitsa, S8S218 , at 2175 m. (N 42.2370°, E023.5878°)
- Landing: Tsarkvishte village, FUF119, at 1185 m. (N 42.2707°, E023.5453°)

Alternate take-off:

### Vratsa

- Take-off: Okolchitsa, 03S105 , at 1050 m. (N43.1528, E23.585)
- Landing: Vangelov, 05G036, at 360 m. (N 43.1706, 23.609)

### Sopot

- Take-off: Sopot, ?? , at 1805 m. (N 42.6007°, E023.2841°)
- Landing: Sopot, ??, at 696 m. (N 42.6323°, E023.3242°)

### Korduna

- Take-off: Korduna,?? S2S147, at 1470 m. (N 42.3440°, E022.8395°)
- Landing: Tsarkvishte, ??F4F062, at 620 m. (N 42.3117°, E022.8266°)

## 6 - SELECTION PROCEDURES

### Pilots

The Competition is open to all pilots.

The requirements for a pilot to enter this Championship are:

- to have a valid FAI license – Para Pro 5 or equivalent.
- maximum number of participants is 80.

Its recommended for all pilots to have their competition number on their gliders with dimensions allowing it to be read from the ground when the pilot is less than 200m above ground. If any pilot does not have his number on the glider he should inform Safety director before the task in order to be allowed to compete.

We recommend for all pilots currently having a number on their gliders to register with that number.

## **Teams**

Team results will be constructed from best 3 pilots in the team for each task.

## **7 - ENTRY FEE**

The Entry fee will be:

- 66 Euros per pilot.

Entry fees will be paid by bank transfer, PayPal, credit card or cash.

The Entry fee gives to all participants:

- transport to the take-off and retrieve from the main roads,
- GPS scoring
- color map,
- ID card,
- lunch pack,
- competition T-shirt,
- free access to all championship events and parties,
- SIM card for livetracking – pre booking,
- livetracking service,
- Insurance for mountain rescue service in Bulgaria, valid until 21.08.2017

## **8 - REGISTRATION**

The official registration will be on August 22nd from 17:00 to 20:00.

Entry Forms will be filled during the registration.

Each competitor will be requested to present:

- prove of his/her Identity and Nationality,
- a valid FAI Sporting License or equivalent flying certificate/license,
- satisfactory evidence of glider airworthiness,
- GPS and suitable cable for it

Each competitor will be requested to sign:

- the Waiver Declaration (agreement on release of liability),
- the Entry Form.

### **Attention!**

The safety meeting which will be held on the 23th of August at 09:30 is mandatory. Pilots who do not follow it will be barred from the competition.

## **9 - EQUIPMENT**

All paragliders are allowed to fly in the Competition if provided proof of glider airworthiness.

All pilots must fly with helmet, rescue parachute, GPS and 2m radio transceiver.

Its recommended all gliders to have numbers on them, please make sure you mention your number (if any) on your glider during registration.

## **10 - RESCUE AND MEDICAL SERVICE**

A first aid team will be present at take-off.

It will include a Doctor specialized in emergency and mountain rescue. Emergency equipment will be available.

The Doctor will be able to contact the National First Aid Service at any time. The NFAS can, if needed, send a fully equipped ambulance.

## 11 - CONTEST NUMBERS

The numbers supplied by the organizer must be placed under the centre of the wing, top towards the leading edge.

PWC numbers are allowed and all pilots who have PWC number on their gliders are advised to use those numbers. Those numbers must be written in the pilots Entry Form.

It is not allowed to have a second number on the glider beside the official competition number.

## 12 - RADIOS

Radios are mandatory for all pilots.

Only frequencies allocated by the organizers may be used.

Safety frequency is 144.525 MHz.

Retrieval frequency is 146.400 MHz.

All pilots must stay on Safety Frequency during their flight.

Other available frequencies will be advised at the first briefing.

In case of emergency and no contact available on Safety Frequency, pilots may use Retrieve Frequency, or public repeater located in the area on the following frequencies:

Vitosha mountain - Rx 145.625MHz (Tx -0.6MHz)

Botev peak – Rx 145.650 (Tx -0,6MHz)

(Zlatitsa (to be advised) - Rx ????.725Mhz/ Tx ????.125MHz)

Voice activated microphones (VOX operated) are strictly forbidden.

The use of mobile telephones for landing reports and retrievals is highly recommended.

The pilots must stay in contact with the organizer at all the time during the task, through the safety frequency.

## 13 - TAKE-OFF AREA

During the competition, the take-off area will be reserved for the pilots, the media and identified staff personal. The public in general will be kept outside the take-off area.

## 14 - FREE FLYERS

Free flyers won't be allowed to take-off 20min before the opening of the window and until the window is closed, except with the permission of the Meet Director.

## 15 - TASK COMMITTEE

The Task Committee will be assembled from 3 competition pilots, the Meet Director and the Safety Director. The competition pilots of the Task Committee will be elected by all pilots during registration.

## 16 - PILOT'S BRIEFING

The task board at take-off will show:

- the time the take-off window opens and closes,
- the time the start gate opens,
- any modification of the take-off window and start gate times,
- the start cylinder radius,
- the turn points,
- the task deadline,
- the landing report deadline.

## 17 - MAXIMUM WIND SPEED

No task will be set with a general wind speed over 7m/s at the take-off.

## 18 - RESTART

Restart will be allowed if we use the officially Zlatitsa takeoff. More information about the transport for restart pilots will be given during the task briefing.

A failed take-off attempt or a safety problem arising immediately after take-off which results in a landing will not count as take-off.

In case of technical problem a pilot can ask permission from the Meet Director to land and restart-off again.

The pilot must report to the Meet Director before a second launch.

## 19 - FLYING THE TASK

The take-off window will be open for at least 40 minutes.

Cylinders will be used for takeoff and Speed-section. The start cylinders radius and type of start ("Enter" or "Exit") will be shown on the task board.

All turn-points will be cylinders around the GPS coordinates supplied by the organizer. Cylinder radius will be shown on the task board.

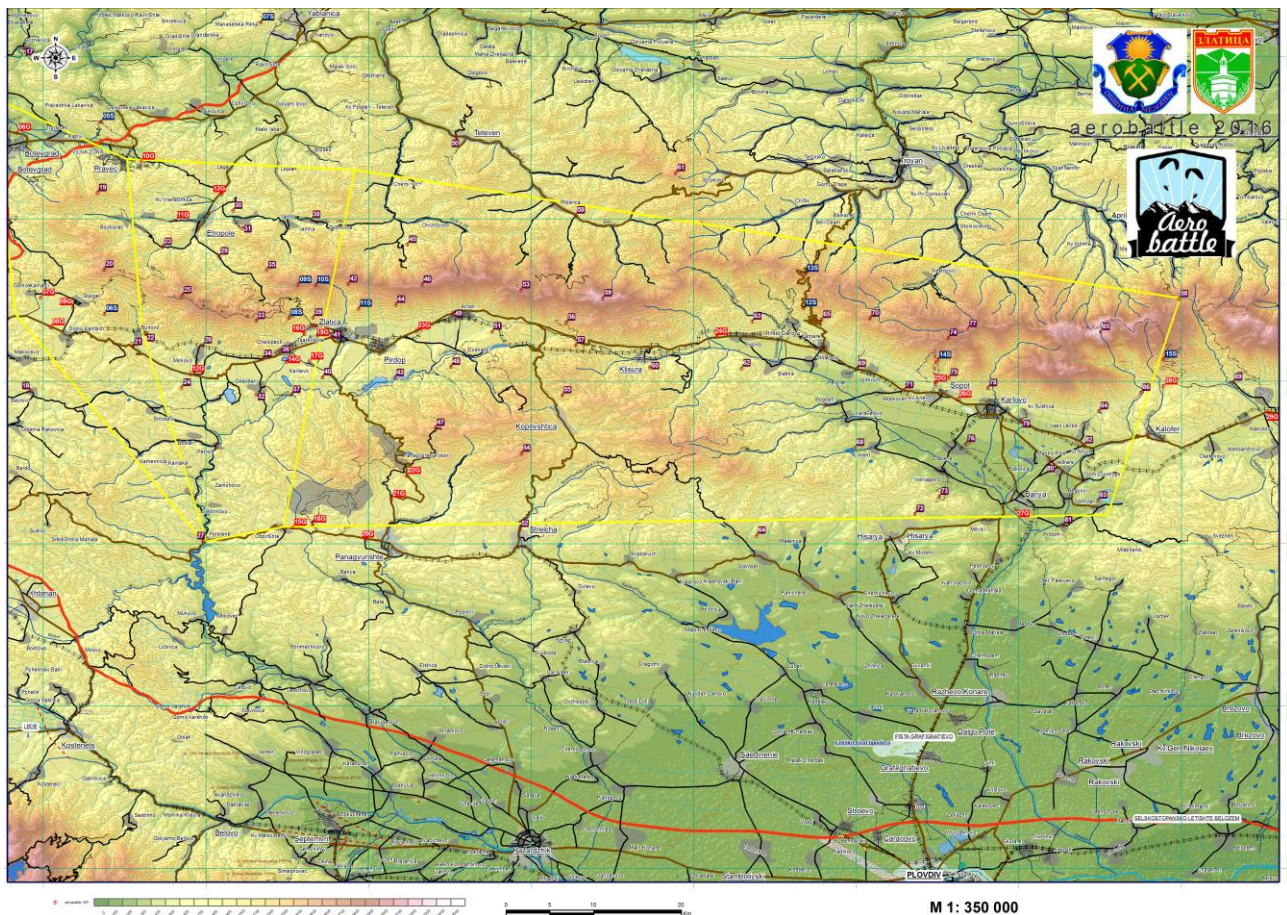
There are airspace restrictions for the competition because of Sofia Airport located 600km to the west from Zlatitsa.

The restriction to the west from Zlatitsa (N2) is 2550m AMSL, with a small zone (N3) with 2100m AMSL. To the east from the takeoff (N1) the restriction is 3050m AMSL. The coordinates and map of the restrictions are shown below:

zone N1 (2100m) – 15G – 83 – 88 – 38

zone N2 (2550m) – 38 – 15G – 27 – 22 – 10G

zone N3 (3050m) – 10G – 22 – 27 – 08G – 06G



## 20 - FLIGHT SAFETY

Pilots must turn left on odd days and right on even days between launch and the start gate.

Dangerous flying conduct, including cloud flying, is prohibited and will be penalized.

A notebook will be available in main Headquarters. Pilots who witness a dangerous flying conduct will use the notebook to report it. There will be Air Marshals in the air looking for dangerous flyers and cloud flying.

## 21 – GOAL AND END OF SPEED SECTION

The Goal will be virtual half-cylinder around the goal turn-point (or virtual line at the goal turn-point) and perpendicular to the last leg of the task. In case of Goal line – there will be physical line at the landing field for visual orientation. All pilots will have to fly across the virtual goal line or cylinder in order to complete the task. Completing the task will be checked by the data stored in the pilot's GPS.

End of Speed Section (ESS) cylinder for safety reasons always will be at least 1 km before the goal line (cylinder). For all pilots, the time at ESS will be the one stored in the pilot's GPS when he crosses the virtual ESS cylinder.

## 22 - STOPPING OF A TASK

The Meet Director may stop a task according to Section 7 (2.6.2.2 and 2.20.7).

Stopping of task will be announced on the Safety frequency.



All pilots are then requested to pull in "big ears" to signal to one another that the task is finished. End time of the stopped task will be decided by the Meet Director and it will be 5 minutes before the announcement. Stopped task will be valid if there is 1hr or more after opening of the Speed Section (or the start in case of Ground Start or Elapsed time)

## 23 - SCORING

Type of tasks in this competition will be "Race to Goal" with one or multiple start gates.

For scoring, the GAP 2013 formula will be used in combination with the FS scoring software.

Scoring formula parameters are:

- Minimum distance – 6 km
- Nominal distance – 40 km
- Nominal time – 1.5 h
- Nominal pilots in goal – 15 %
- Speed points in case of reaching ESS but not Goal – 0 %

Official GPS coordinate system for the event will be:

Datum:WGS 84

Grid: Lat/Long - dd.dddd (decimal degrees)

## 24 - PENALTIES

### **Dangerous flying:**

1<sup>st</sup> offense – 200 points

2<sup>nd</sup> and next offenses – minimum 500 points

### **Cloud flying:**

1<sup>st</sup> offense – 500 points

2<sup>nd</sup> offense – disqualification from the competition

### **Airspace violation:**

1<sup>st</sup> offense – 100p if violation 0-100m, 200p if violation 101-200m, 500p if violating > 200m

2<sup>nd</sup> offense – 200p if violation 0-100m, 500p if violation 101-200m, all points if violating > 200m

GPS altitude will be used for altitude control

### **NO Sign IN / OUT:**

1<sup>st</sup> offense – 200 points

2<sup>nd</sup> and next offenses – minimum 500 points

## 25 - COMPLAINTS AND PROTESTS

### **Complaints**

Complaints for each task must be submitted at the latest 2 hours after the publication of the provisional results and will be dealt as soon as possible.

### **Protests**

Protests must be submitted at the latest 12 hours after the result of the complaint is published at the main Headquarters. For the last competition task, protests must be addressed at the latest 2 hours after the result of the complaint is published at the main Headquarters.

The Protest fee is 20 euro. It will be returned if the protest is upheld.

## 26 - PRIZES



**IF** there will be cash prize fund, it will be announced at closing ceremony.

The cash prizes will be distributed:

- 1<sup>st</sup> – 30% of the fund
- 2<sup>nd</sup> – 20%
- 3<sup>rd</sup> – 16%
- 4<sup>th</sup> – 14%
- 5<sup>th</sup> – 10%
- 1<sup>st</sup> female – 10%

In Ladies group – only the winner in Ladies will receive cash prize.

In “Fun Fly” group can compete all pilots flying gliders not specifically designed for competitions. This includes gliders certified by EN (or equivalent) in category A, B, C (DHV 1, 1/2, 2).

## 27 – RESERVE DAY

28 August 2016 is reserve day! If we have 2 or more non-valid tasks, the reserve day will be official competition day with task. If there are 3 valid tasks for the period 23-27 August, the reserve day will be for Free Flying with no official task!

## 28 – CHANGES

If there is a need to change this document, it can be done only by the MD and it will be announced at HQ and on the Task board as soon as possible.