



## **Competition rules**

### **Duration and Distance Cup (DUDI) 2023/2024**

#### **0. Preface**

The rules of the competition executed in masculine form are also valid and in the same way in a form with a female function designation.

#### **1. Purpose of the competition**

- 1.1. Promotion of competitive sports
- 1.2. Determination of the best participant
- 1.3. Promotion of friendship and exchange among balloonists
- 1.4. Promotion of young balloonist through performance incentives
- 1.5. Realization of ranking competition

#### **2. Organizer/Staff/Contact**

- 2.1. Organizer: Aeroclub | NRW e.V. Freiballonkommission
- 2.2. Event director: Max Michels
- 2.3. Contact via e-mail: [dudi@dudicup.eu](mailto:dudi@dudicup.eu)

#### **3. Date and place of the competition, competition area**

- 3.1. The competition will be held from 01 March 2023 to 28 February 2024.
- 3.2. The competition area are the territories of all EASA member states and United Kingdom.

#### **4. Competitor**

- 4.1. Any pilot with citizenship or primary residence in an EASA member state or United Kingdom may participate.
- 4.2. With the registration the competitor assures to be the holder of all necessary, valid licenses and authorizations to perform the flights.

#### **5. Competition Balloons**

- 5.1. Single-layer and double-layer hot air balloons may be used in the competition.
- 5.2. Hot air balloons with a maximum actual size of  
Open-League: 4550 m<sup>3</sup> / 160.000 ft<sup>3</sup>  
A-League: 3400 m<sup>3</sup> / 120.000 ft<sup>3</sup>  
may be used.
- 5.3. The competitor is responsible for the proper traffic permission and airworthiness as well as all valid documents of the competition balloon.

#### **6. Scoring classes**

- 6.1. There are three scoring classes.
- 6.2. Each scoring class has its own scoring.
- 6.3. Open-League: no restrictions regarding the execution of the flight. Only single-layer balloons are allowed.
- 6.4. A-League: At the current position, the execution of flights is limited to VFR-day

according to SERA and a maximum of 9500ft AMSL. For safety reasons, flights may end after VFR day. However, only track points under VFR-day will be scored. Flights continuously above 9500ft (GPS altitude) for more than 2 minutes will not be scored. Only single-layer balloons are allowed.

- 6.5. Double-Layer: Only double-layer balloons are allowed. No restrictions regarding the execution of the flight.

## **7. Registration**

- 7.1. The registration for the competition takes place with an entry on <https://dudicup.eu/pilot-registration/>
- 7.2. The entry fee is free.
- 7.3. When registering, the pilot determines whether he wants to participate in the "Open-League", "A-League" or "Double-Layer".

## **8. Scoring documents**

The scoring documents consist of the recording of the GPS data recorded by the pilot and transmitted as GPX-File. The file must contain the position and altitude of the balloon in the form of track points. The GPS recording device must be set to record a track point at least every 10 seconds. The transmission of a usable GPS track is the responsibility of the pilot. Therefore a GPS-Device can be used or apps on Smartphones. For example, BalloonLive in training mode, HotAir for iOS or any other app which records the track and allows to export the track as GPX-File.

The Pilot is responsible to transmit the GPX-File after the flight to the scoring team. A HowTo for some apps will be provided on the event website.

## **9. Official Notice Board**

The Official Notice Board (ONB) is located electronically at <https://dudicup.eu>

## **10. Applicable rules**

- 10.1. The FAI/CIA Sporting Code in its current version applies to the planning, execution and scoring of the competition flights, unless otherwise specified in these competition rules.
- 10.2. The competitor is responsible for the observance of all legal and official regulations as well as other regulations and recommendations applicable to ballooning.
- 10.3. Violations of the contents of these competition rules may be punished. Any violation of the law by a competitor will only be recognized if the organizer is informed of it by independent authorities, proof is provided by them and no other competitor has initiated the proof.

## **11. Scoring**

- 11.1. A flight intended for scoring must be registered by the responsible pilot (competitor) or a person authorized by him at the portal <https://dudicup.eu/flightreport> at the earliest 24 hours but at least 30 minutes before the launch. The entry must contain the registration number of the balloon as well as the planned launch time.
- 11.2. A flight intended for scoring must be entered by the pilot in charge (competitor) or

- by a person authorized by him on the portal <https://dudicup.eu/flightreport> within 24 hours after landing. The report must contain the registration number of the balloon, the launch site, the landing site and the PIC as well as the estimated duration and distance of the flight. It is not possible to make any changes after that.
- 11.3. The pilot must submit the GPX-Trackfile and the Performance Sheet not later than 24 hours after the report according to 11.2. It must be submitted via E-Mail to [dudi@dudicup.eu](mailto:dudi@dudicup.eu) or with the flight report form.
  - 11.4. Only flights that were started in an area mentioned under 3.2 will be scored.
  - 11.5. When leaving the scoring area, the flight ends with the last valid track point in the scoring area. A re-entry will not be scored.
  - 11.6. At least **one** (1) flight is required for scoring. Each flight will be scored in both disciplines – duration and distance. If two or more flights are submitted the best combination will be scored. Each flight will therefore be scored in duration and distance but both disciplines do not have to be scored in the same flight.
  - 11.7. Flights will be scored where a landing has taken place according to FAI Sporting Code Section 1 Aerostate.
  - 11.8. Any number of flights can be made. Only the best flight in the corresponding discipline will be scored in the totals.
  - 11.9. Each flight can only be scored for the responsible balloon pilot (PIC) named in the flight report (11.1, 11.2) and registered competitor.
  - 11.10. If the PIC changes during the flight, the flight can only be scored for the pilot registered in the competition and for the flight.
  - 11.11. Definition of the end of the competition: Basically, the end of the competition is 28.02.2024 23:59:59 CET. A flight beyond this time ends with the end of the competition.
  - 11.12. The duration flight with the best performance of all competitors will be scored with 1000 points. The other results will be assigned proportionally. The distance flight with the best performance of all competitors will be rated with 1000 points. The other results will be assigned proportionally.

## 12. Social Media

- 12.1. The competition will be heavily promoted on social media.
- 12.2. The official hashtag of the competition is #dudicup
- 12.3. Each competitor commits to publish three or more posts with one or more pictures from each flight. For this purpose, the networks Twitter, Facebook or Instagram can be used.  
The contributions must show the following scenes: 1) the start 2) during the flight and 3) the balloon after landing on the landing area.
- 12.4. The contributions must be published or transmitted on the day of the flight.
- 12.5. If the competitor cannot or does not want to publish the entries himself, the pictures have to be sent by e-mail to [dudi@dudicup.eu](mailto:dudi@dudicup.eu) or by WhatsApp to +4916099088751. The organizers will publish the pictures under the official account.

## 13. Competition Scoring

- 13.1. The evaluation of the competition will be done as follows:

Track: WGS84 from takeoff point to landing point;

Duration: time difference between clearly first and clearly last track point in the air.

For the "A-League" the landing time will be the actual landing time or the time of the end of VFR day, whichever is earlier.

- 13.2. When leaving the scoring area, the flight ends with the last valid track point in the scoring area.
- 13.3. The result of the evaluation of his flight will be made available to the competitor on the website dudicup.eu as soon as possible.
- 13.4. All flight data (duration, route, start location, landing location, visualization of the track) will be made public on dudicup.eu. By participating in the competition, the competitor agrees to this.
- 13.5. "Open-League" and "A-League" will be scored separately.

#### **14. Winner of the Duration and Distance Cup**

The winner is the competitor who, after adding up the points from the two disciplines, has achieved the highest score in the "Open League" (combined score).

#### **15. Penalties**

- 15.1. A competitor who violates a rule may be penalized with reduction of his score (distance or time) or deduction of points.
- 15.2. Dishonest or unsportsmanlike conduct, including deliberate attempt to deceive or mislead officials, deliberate obstruction of other competitors, falsification of documents, use of prohibited equipment, prohibited drugs or repeated violation of rules, will result in exclusion from the competition.
- 15.3. Changes to the configuration of the system during the flight, including people or cylinders, will result in disqualification. This applies to both the pick-up and the release.

#### **16. Complaints and protests**

- 16.1. Complaints against the evaluation/non-evaluation of flights in the competition can only be filed by the competitors for their own submitted flights.
- 16.2. Complaints by competitors against the scoring/non-scoring of their flight must be submitted by e-mail to [dudi@dudicup.eu](mailto:dudi@dudicup.eu) within 2 days after the scoring result has been published.
- 16.3. The complaints will be answered by e-mail and published on the ONB within 5 days after the receipt of the protest fee.



### **17. Changes to the competition rules**

Editorial changes to these rules during the current competition will be communicated to the registered competitors by e-mail as well as by publication at the ONB. Editorial changes are for example the change of e-mail, internet and other contact addresses.

### **18. Publications**

The rules of the competition, the flights submitted for evaluation and the final result of the competition will be published promptly at [dudicup.eu](http://dudicup.eu)

Duisburg, 28 February 2023

Board Aeroclub | NRW e.V. Freiballonkommission