

DANMARKSMESTERSKAB I VARMLUFTBALLON 2024



EVENT RULES

Version Dbu 2024

Disse regler supplerer og til en vis grad erstatter
AX Model Event Rules Version 2024.

Herudover en tilpasning som følge af, at det er Danmarksmesterskabet og
ikke et internationalt First Category Event.

- I.1 **TITLE**
The event shall be known as:
Danmarks mesterskabet i Ballonflyvning 2024
- I.2 **SANCTION** (S1 An3 2)
The Event is approved and sanctioned by the Danish Balloon Federation
- I.3 **ORGANIZATION**
The Event is organized by Sportsudvalget, Dansk Ballonunion.
- I.4 **CORRESPONDENCE**
All entries and official correspondence shall be addressed to:
Sportsudvalget, Dansk Ballonunion
email: sportsudvalg@ballonunion.dk
- I.5 **PERSONEL**
Event Director: Jan Andersen
Deputy Director: Bjarne Klewitz
Chief Scorer: Henrik Hermansson
Vind reader leader Erling Larsen
- I.6 **PLACE**
The Event will be held at
Gram Slot
Slotsvej 54
6510 Gram
- I.7 **DATES**
The Event will run from 7. August 2024 (General briefing at 14:00).
The last flying day will be 10. August 2024 (evening flight).
- I.8 **PROTEST FEE**
The protest fee to accompany a protest shall be 500DKK.
- I.9 **LANGUAGE**
- I.9.1 The official language(s) of the Event shall be Danish although the rules are in English.
- I.9.2 Printed material (e.g. Task Data, Meteorological information etc) shall be in Danish wherever that is possible.

I. 10 PARTICIPATION

The Event is open to all balloon pilots, member of the Danish Balloon Federation (DBu).

I. 11 CLOSING ENTRY DATE

The closing entry date and time for the Event is 12. April 2024 kl. 14:30.

I. 12 RISK

The balloon and other property of a competitor shall be always at the risk of the competitor.

I. 13 INSURANCE

Each balloon shall be insured against all claims by third parties to a minimum of the legal required third part insurance. The competitor shall produce documentary evidence of this insurance valid for the period of the Event covering any balloon which he may fly.

SECTION II - COMPETITION DETAILS

- II. 1 **CONTEST AREA (7.1)**
The competition map is digital available from Electronic Notice Board – www.watchmefly.net – Danmarks mesterskabet i Ballonflyvning 2024.

Scale 1/50.000 – map datum WGS84 – UTM grid system – Zone 32

Lower left: 485000E 6090000N
Upper right: 535000E 6140000N
- II. 2 **OUT OF BOUNDS (7.2)**
Areas Out of Bounds include water and any land not on competition map.
Any changes will be posted at Electronic Notice Board.
- II. 3 **PZ LIST (7.3)**
Will be published and updated on the Electronic Notice Board – www.watchmefly.net
- II. 4 **COMMON LAUNCH AREA(S) (9.1.1)**
Will be published and updated on the Electronic Notice Board – www.watchmefly.net
- II. 5 **COMMON LAUNCH POINT(S) (9.1.2)**
Will be published and updated on the Electronic Notice Board – www.watchmefly.net
- II. 6 **LANDOWNER'S PERMISSION (9.2.2)**
Always obtain landowners permit for launch from private area and fields.
For morning flight, if unable to contact landowner, it's accepted to launch from harvested fields, if the basket is placed on the road and only the envelope is on the field and a minimum of crewmembers.
- II. 7 **LIVESTOCK AND CROP (10.6)**
Balloons shall not fly closer than 500 ft from livestock or buildings containing livestock.
- II. 8 **DRIVING LAW (10.11)**
Danish law shall always be followed. Any additional restrictions will be announced at the General Briefing or ordinary briefings.
- II. 9 **AIR LAW (10.14)**
Danish law shall always be followed. Any additional restrictions will be announced at the General Briefing or ordinary briefings.
- II. 10 **RECALL PROCEDURE (10.15)**
To be announced at general briefing.
- II. 11 **VERTICAL SPEED (10.2)**
Vertical speed limits and related penalties may be announced at the General Briefing or ordinary briefings.
- II. 12 **GOALS SELECTED BY A COMPETITOR (12.2), GOAL CENTER (12.1)**
Competitors will not be required to declare goals by reference to map features (junctions, etc.).
To identify a goal on the competition map, the competitor must declare it by coordinates to be written in eight-digit format (First four digits west/east and the second four digits south/north. Easting then Northing) or one of the formats as defined in II.23.

No goal selected by a competitor shall be:

- a. Within a built-up area.
Built-up area is defined as the area marked on the map in gray.
- b. Within a red or blue PZ.
- c. Within 200 meters of any highway, railroad or power line show on the competition map.

Any additional restrictions or special single modifications on goal declaration will be announced at the notice board and/or at briefings.

II. 13 LOCATION OF OFFICIAL NOTICE BOARD (5.3.3)

For this event the official notice board (ONB) will be electronic on www.watchmefly.net. Electronic notifications of postings to the ONB may be made using a text messaging system.

The location of a fallback paper Official Notice Board will be announced at General Briefing.

II. 14 COMMUNICATION TIMES (5.1.5 + 5.2.5)

Replies to general inquiries or notification of replies to complaints will be posted immediately as available on the ONB. An electronic notification may be made using a text messaging system. Timing requirements of 5.6.2 will start at the time of the ONB posting.

II. 15 PUBLICATION TIMES ON THE LAST FLYING DAY (5.1.6+5.2.6)

All scores, complaints, responses to complaints, protests and jury reports will be posted immediately as available. Electronic notification of postings to the ONB may be made simultaneously using a text messaging system.

II. 16 DETAILS FOR TIME LIMITS (rest hours) (5.1.5+5.2.5)

The hours between 22:00 – 04:00 / 12:00 – 16:00 local time will be disregarded for the purpose of the time limits of complaints and protests.

II. 17 FLIGHT CREW (2.2.2)

N/A.

II. 18 DETAILS FOR THE USE OF GPS LOGGERS (6)

- a) Logger:
 - i. The Logger used in this Event is the Balloon Live application with the Balloon Live sensor box.
 - ii. The logger must be configured to enter in the competition with a fee to be paid by the competitor.
Details on the operation of the logger can be seen on the website <http://www.balloonloggers.org/> , a tutorial is available at <https://balloonlive.org/>
- b) To qualify as backup a competitor's logger should be set up to a time interval of 5 seconds or less. Satellite based augmentation (WAAS) should be enabled.
- c) Handling by competitor:
 - i. The logger will be handed out at the General Briefing (GB). The competitor is responsible for storing, charging and handling the logger throughout the event.

- ii. The logger must be switched on 10-5 min before the intended take-off to allow proper GPS initialization.
 - iii. During flight the logger must remain attached to the basket to ensure optimum GPS reception.
 - iv. Marker drops and goal declarations are registered at the time the OK key is pressed.
 - v. Declarations in the logger must be made in 4/4 format unless otherwise stated in the TDS.
 - vi. Altitudes do not need to be declared unless otherwise stated in the TDS.
 - vii. 5-10 minutes after landing the logger must be switched off.
 - viii. Competitors experiencing logger operation problems must contact the appointed official before any self-remedy is exercised.
- d) Scoring:
- i. Unless otherwise stated in the TDS, an electronic mark is mandatory for each task where no valid mark has been achieved by physical marker.
 - ii. In case the same logger-goal is declared more than once the last valid declaration will be used.
 - iii. The Director should define an altitude competitors are scored to if a required altitude declaration is missing.
- e) Track data:
- i. The GPS logger track is the property of the competitor but may be made available to the public for live tracking.

II. 19 **BALLOON SIZE** (3.3)

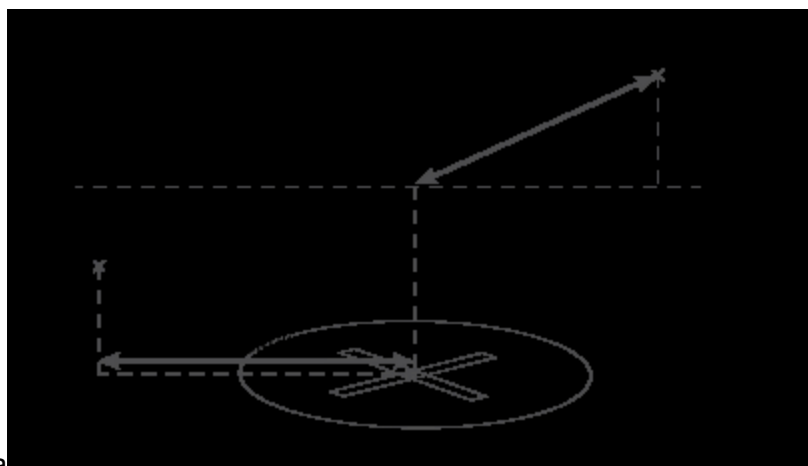
Maximum size category of AX8 (3.000 cbm / 105.000 cbf). The Danish Sporting Committee may give special permit for other Balloon size.

II. 20 **ALTITUDE** (14.6.4)

The altitude measurement method used for the competition is barometric.

II. 21 **2D/3D SCORING METHODS** (12.15)

The separation altitude between 2D and 3D scoring in this event is 700.ft MSL
 When goals or targets on the ground are used, results based on track points will be the 3D-distance to the point at the separation altitude above the goal/target if the track point or electronic mark is above the separation altitude



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II. 22 **COMPETITION STRUCTURE**

The competition will be conducted using markers in MMA and logger scoring only.

II. 23 **MAP COORDINATES (7.8)**

The basic map coordinate of a UTM map with WGS84 datum is Zone 32U (Zone reference, where 32=zone and U=latitude band).

503601 (6 digits Easting)

6127632 (7 digits Northing)

To identify a point on the competition map, the coordinates must be written in one of the following formats:

- 6-7 format: this complies with the standard UTM grid format. First six digits easting and second, seven digits northing. (e.g. 503601-6127632)
- 4-4 format: this format uses two times four-digits. The first four digits easting and the second four digits northing. (e.g. 0360-2763), leaving out the 1m digit. Coordinates written in 4-4 format are interpreted and measured with zero as the 1m digit. I.e., "0360-2763" is the same as "503600-6127630".

Easting's may be separated from Northing's by: a new line, by the minus character or the slash character. In all cases the parts of the coordinates shall be clearly separated and with the Easting's first.

II. 22 **AXMER VERSION**

The AXMER version used for the basis of these rules is Version 2024, effective date 1st April 2024.

SECTION III - RULES**CHAPTER 1 - OBJECTIVES****1.4 DOCUMENTATION**

The following documents will be inspected when each competitor registers on arrival at the Event.

- a. Pilot License
- b. Pilot Log Book
- c. Balloon Log Book
- d. Certificate of Airworthiness
- e. Certificate of Registration
- f. Certificate of Insurance
- g. FAI Sporting License
- h. Medical license

All pilots must sign a declaration, confirming that all documents are valid and legal.

CHAPTER 2 - ENTRY CONDITIONS**2.1 COMPETITOR (GS 4.5.2 part, S1 5.5.5)**

2.1.3 It is accepted that a competitor only participates in one or more of the scheduled flights. Failure to participate in individual flights must occur during General Briefing. In the situation of a pre-announced absence for a flight, the person concerned will be registered as "Not competing" and will not be included in the Number of competitors entered in the competition (see P under 14.5.5).

2.1.4 During a General Briefing, a competitor may offer the Event Director to fly the "hare balloon" (15.6 Hare and Hounds (HNN) and 15.7 Watership Down (WSD)) on one or more of the scheduled flights. In the situation that tasks are set after 15.6 Hare and Hounds (HNN) or 15.7 Watership Down (WSD) and the Event Director will make use of the said offer, this will be notified to the relevant competitor at the latest by task briefing. In this situation the person concerned will be registered as "Not competing" and will not be included in the Number of competitors entered in the competition (see P under 14.5.5).

2.3 QUALIFICATION (S1 5.6.4.1)

PILOTS-IN-COMMAND SHALL HAVE BEEN AUTHORIZED TO ACT AS PILOT-IN-COMMAND OF THAT SUB-CLASS OF AEROSTAT FOR WHICH THE EVENT IS HELD, AT LEAST TWELVE MONTHS PRIOR TO THE START OF THE EVENT. EACH PILOT-IN-COMMAND SHALL HAVE ACCUMULATED AT LEAST 30 HOURS AS PILOT-IN-COMMAND OF AEROSTATS OF THAT SUB-CLASS BY THE CLOSING ENTRY DATE.

CHAPTER 3 - BALLOON QUALIFICATIONS**3.8 COMPETITION NUMBERS**

All crew vehicles shall be clearly identified with competition number.

CHAPTER 6 – OBSERVERS AND LOGGERS**6.11 FLIGHT REPORT FORM (FRF) (in events without observers)**

6.11.1 A flight report form (FRF) stating the take-off and landing place and time, estimated task results, landowner related issues and other relevant data shall be completed on www.watchmefly.net – as quick as possible and maximum NINETY (90) minutes after the landing of that specific flight. When there are problems during your retrieve, please contact the competition director and ask for an 'extension of time'.

If the FRF is received too late without an extension of time you may be penalized up to 1000 p.

CHAPTER 7 – MAPS

- 7.3.2 Circular PZs (cylinder or dome shape) shall be defined by the center point map reference and radius in meters and/or feet. PZs with natural boundaries will be plotted on the competition map and shaded excerpts of the map will be displayed on ONB.

CHAPTER 8 - PROGRAM, BRIEFINGS

- 8.2 **VALID TASK** (S1 5.9.1)
- 8.2.3 Tasks are not valid if less than 35% of the competitors take off.