

## **SECTION I - EVENT DETAILS**

### **I. 1 TITLE**

The Event shall be known as:  
GALDER CUP 2025

### **I. 2 SANCTION**

N/A

### **I. 3 ORGANIZATION**

The Event is organised by:  
Ad Ballon Ballonvaarten & Dutch Balloon Competition Club (DBCC)

### **I. 4 CORRESPONDENCE**

All entries and official correspondence should be addressed to:  
Sven De Hoogd and Maikel Kouwenberg  
Ad Ballon Ballonvaarten B.V.  
Ballemansweg 1c  
4855 AP Galder  
info@adballon.nl

### **I. 5 PERSONNEL**

Event Director :	Jonas Maes. (BEL)
Deputy Director :	Pat Alliët (BEL)
Chief Scorer :	Erwin Pellegrom (NED)
Jury:	3 Non-Involved pilots/officials
Safety Officer:	TBA
Meteorology:	TBA
Organiser:	Sven De Hoogd & Maikel Kouwenberg (NED)

### **I. 6 PLACE**

The Event will be held at:  
Ad Ballon Ballonvaarten B.V.  
Ballemansweg 1c  
4855 AP Galder

### **I. 7 DATES**

The Event will run from 15 November 2025 until 16 November 2025. Flights will take place in the morning and afternoon. First Flight will be on 15 November in the morning. The last flight will be on 16 November in the afternoon. In total, 4 flights are scheduled.  
In case of bad weather, the event will take place during the weekend of 22 and 23 November 2025.

### **I. 8 PROTEST FEE**

THE AMOUNT OF THE PROTEST FEE TO ACCOMPANY A PROTEST SHALL BE 100€.

IN CASE OF A JOINT PROTEST, EVERY PROTESTING PERSON MUST PAY THE PROTEST FEE. (S1 An3 8.3)

**I. 9 LANGUAGE**

I. 9.1 THE RULES AND INFORMATION CIRCULATED TO NACS AND COMPETITORS OR ISSUED DURING THE EVENT SHALL BE IN ENGLISH AND, AT THE DISCRETION OF THE ORGANISER, THE LANGUAGE OF THE HOST COUNTRY. IN ALL INTERPRETATIONS THE ENGLISH-LANGUAGE VERSION SHALL PREVAIL. (GS 4.5.4)

I. 9.2 Printed material (e.g. Task Data, Meteorological information etc) shall be in English and may additionally be in Dutch. The language used verbally during briefings shall be Dutch and English.

I. 9.3 In the rules the masculine form is used as a standard. Wherever you find the masculine form, it is implied that the feminine form is included.

**I. 10 CLOSING ENTRY DATE**

The closing entry date for the Event is:  
01 November 2025

**I. 11 RISK**

The balloon and other property of a competitor shall be at the risk of the competitor at all times. By entering the event, the competitor agrees to waive all claims for injury to himself, or loss or damage to his property.

**I. 12 INSURANCE**

Each balloon shall be insured against all claims by passengers and third parties to a minimum as specified in the EU directives.

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)**

A prepared digital map will be available to each competitor.

The corners of the contest area has following coordinates

Complete map is contest area.

If there will be any changes, it will be published on the official electronic notice board on <https://watchmefly.net/events/event.php?e=galders2025&v=enb>

scales 1/50.000

Mapdatum: WGS 84

UTM grid system

Magnetic declination: +2°35' East

The contest area is the Dutch and Belgian Territory shown on the competition map!

### **II. 2 OUT OF BOUNDS (7.2)**

Everything outside the contest area is Out Of Bounds.

All Red and Blue PZ's are considered Out Of Bounds.

Ground contact and other penalties will be applied.

### **II. 3 PZ LIST (7.3)**

<b>PZ</b>	<b>COLOR</b>	<b>Easting</b>	<b>Northing</b>	<b>Alt (ft)</b>	<b>Radius (m)</b>	<b>Discription</b>
PZ 01 (1000ft)	Red	628595	5705606	1000	500	Nature
PZ 02 (500ft)	Red	631105	5707265	500	See map	Horses
PZ 03 (500ft)	Red	636925	5701965	500	250	Deer
PZ 04 (100ft)	Red	627815	5709385	100	See map	Angry farmer
PZ 05 (500ft)	Red	624335	5710584	500	250	Horses
PZ 06 (500ft)	Red	629085	5714505	500	250	Horses
PZ 07 (500ft)	Red	630809	5713228	500	250	Dog kennel
PZ 08 (500ft)	Red	621863	5707543	500	250	Horses
PZ 09 (500ft)	Red	621205	5708765	500	250	Horses

PZ 10 (500ft)	Red	620055	5707405	500	250	Horses
PZ 11 (100ft)	Red	618505	5709335	100	See map	Angry farmer
PZ 12 (1000ft)	Red	617165	5709355	1000	500	Parrots
PZ 13 (500ft)	Red	615255	5708215	500	250	Horses
PZ 14 (500ft)	Red	616455	5706575	500	250	Chicken farm
PZ 15 (100ft)	Red	614905	5700705	100	250	Angry farmer

PZ 16 (500ft)	Red	622502	5723866	500	250	Duck cage
PZ 17 (500ft)	Red	628225	5712525	500	250	Horses
PZ 18 (500ft)	Red	618395	5702215	500	250	Horses
PZ 19 (500ft)	Red	618315	5704775	500	250	Horses
PZ 20 (500ft)	Red	618793	5707547	500	250	Sheep
PZ 21 (1000ft)	Red	623765	5727515	1000	500	Birds
PZ 22 (500ft)	Red	619435	5709245	500	250	Birds
PZ 23 (1000ft)	Red	637505	5714305	1000	500	Ostriches
PZ 24 (500ft)	Red	622705	5720955	500	250	Horses
PZ 25 (500ft)	Red	618075	5716885	500	250	Dog kennel
PZ 26 (500ft)	Red	613105	5710005	500	250	All kind of animals
PZ 27 (500ft)	Red	622968	5705833	500	250	Horses
PZ 28 (500ft)	Red	620475	5723465	500	250	Horses
PZ 29 (250ft)	Red	619195	5712005	250	250	Goats
PZ 30 (500ft)	Red	609005	5713975	500	250	Horses
PZ 31 (yellow)	Yellow	611305	5716455	-	350	Angry farmer
PZ 32 (500ft)	Red	627805	5701805	500	300	Horses
PZ 33 (500ft)	Red	616155	5709906	500	300	Horses
PZ 34 (1000ft)	Red	622142	5717030	1000	4000	City Breda

PZ 35 (1000ft)	Red	613484	5714447	1000	2000	City Etten-Leur
PZ 36 (1000ft)	Red	641893	5714934	1000	4500	City Tilburg
PZ 37 (1000ft)	Red	601621	5709884	1000	2500	City Roosendaal
PZ 38 (1000ft)	Red	628277	5723278	1000	2500	City Oosterhout
PZ 39 (1000ft)	Red	642994	5727930	1000	1750	City Waalwijk
PZ 40 (1000ft)	Red	625432	5713033	1000	See map	N2000
PZ 41 (1000ft)	Red	640707	5707699	1000	See map	N2000
PZ 42 (1000ft)	Red	624898	5706032	1000	See map	N2000
PZ 43 (500ft)	Red	Motorways		500	See map	A-roads
PZ 44 (2500ft)	Blue	Dutch territory		2500	See map	TMA NIEUW MILLIGEN D & ROTTERDAM TMA 1
PZ 45 (4500ft)	Blue	Belgian territory		4500	See map	Belgian airspace
PZ 46	Yellow	615983	5709174	-	200	Angry Farmer
PZ 47	Red	636985	5713601	500	250	Horses
PZ 48	Red	624545	5709324	500	250	Animal Pension
PZ 49	Red	619141	5711904	500	250	Angry Farmer
PZ 50	Yellow	615803	5715282	-	500	Angry Farmer

**Yellow** = No landing within PZ!  
**Red** = Minimum flying altitude!  
**Blue** = Maximum flying altitude!

**II. 4 COMMON LAUNCH AREA(S) (9.1.1)**

TBA

**II. 5 COMMON LAUNCH POINT(S) (9.1.2)**

TBA

**II. 6 LANDOWNER'S PERMISSION (9.2.2)**

Additionally to Rule 9.2.2 the following applies: Public areas, such as public parks, squares and river sides, are considered as places without need for permission for take-off and landings. Furthermore, a take-off without permission may be made from minor roads or tracks, if the balloon envelope can be laid out in the adjacent field and provided, it is freshly harvested and/or not cultivated and no damage is done. The road traffic may not be obstructed.

Ask permission before you retrieve your balloon from a field. Starting from an individual launch field won't be the case, since we only use Common Launch Areas during this competition.

**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)**

According to Dutch National Law.

**II. 9 AIR LAW (10.14)**

According to Dutch National Law.

See Blue PZ's in PZ-List.

Modified Airlaw related to the competition map and flying area will be published on the Electronic Notice Board.

**II. 10 RECALL PROCEDURE (10.15)**

Message by WhatsApp to the competitors' cell phones will be used as recall Procedure or to communicate with the pilots and crew. The number and phone will be tested before the General Briefing. The competitors' phone must be switched on at all times. Minor task changes may be send out by WhatsApp, before the launch period, in case of unexpected problems with goals or other safety matters.

**II. 11 VERTICAL SPEED (10.2)**

All logger tracks will be checked using the Balloon Safety Analyzer.

Competitors exceeding the limits of vertical speed below will be penalized:

Limit	3D Proximity	Relative Vertical Speed
Limit 1	25 m	3 m/s
Limit 2	50 m	5 m/s
Limit 3	75 m	8 m/s>

Limit 4: Exceeding the absolute vertical ascent speed of 8 m/s will be penalized.

Limit 4 must be violated for a consecutive 5s or more to be triggered.)

Scoring policy: As above, the penalties mentioned in the table below are guidance therefore different penalties may be applied following review of specific cases.

lower balloon	upper balloon
---------------	---------------

Vertical speed [m/s]	Limit 1 Penalty	Limit 2 Penalty	Limit 3 Penalty	Vertical speed [m/s]	Limit 1 Penalty	Limit 2 Penalty	Limit 3 Penalty
				$0 \leq v < -2$			
$2 \leq v < 3$	50(WRN)			$-2 \leq v < -3$	100 (WRN)		
$3 \leq v < 4$	100(WRN)	50(WRN)		$-3 \leq v < -4$	200	50(WRN)	
$4 \leq v < 5$	300	100(WRN)	50(WRN)	$-4 \leq v < -5$	400	100(WRN)	
$5 \leq v < 6$	500	300	100(WRN)	$-5 \leq v < -6$	600	200	100(WRN)
$6 \leq v < 7$	700	500	300	$-6 \leq v < -7$	800	400	200
$7 \leq v < 8$	900	700	500	$-7 \leq v < -8$	1000	600	400
8 and more	1000	900	700	-8 and more	1000	800	600

## II. 12 GOALS SELECTED BY A COMPETITOR (12.2), GOAL CENTER (12.1)

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).

It will not be required that the goal selected by a competitor is the intersection of two roads unless otherwise set in the task data.

## II. 13 LOCATION OF OFFICIAL NOTICE BOARD (5.3.3)

The Official Notice Board will be at Watchmefly.net

<https://watchmefly.net/events/event.php?e=galders2025&v=enb>

## 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.

Timing requirements of 5.1.5+5.2.5 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 20hr and 05hr 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:**

The Logger used in this Event is the FAI "Balloon Live" app with a connected Balloon Live sensor, an external GPS or the internal GPS of the pilot his mobile device. The app is available for iOS and Android and must be installed by each competitor beforehand on his own recording device (smartphone or tablet).

Details and instructions on how to purchase and use can be found on [balloonlive.org](http://balloonlive.org)

### **b) Change the operation mode:**

Start the app "Balloon Live" > Menu > Change mode

Select Application Mode

#### **Training mode**

To test the app in training flights, the mode "TRAINING" must be used to familiarise with the use of the app. In this mode, no competition data (tracks, declarations and marker drops) is stored. Press the red button at the bottom to start a new flight.

#### **Competition Mode**

Select the profile icon at the top right to log in with your credentials from [watchmefly.net](http://watchmefly.net). Then select the event from the available competitions. You will then be in competition mode and the latest competition data is retrieved from the server. The device must be online to do this. It is recommended to load the competition data during flight preparation. The connection of a Balloon Live sensor, an external GPS or the internal GPS of the pilot his mobile device is mandatory for all flights.

To start the flight, the latest flight data must also be loaded from the server. This flight data is valid for 5 hours only. Therefore it is recommended to be online within the last 5 hours before the start of the recording, or just before start, to load the flight data.

Press the red button to start a new flight and transmit the track data to the server.

### **c) Preconfigured setup for this competition:**

- Competition name: Galder Cup 2025
- Logging interval (seconds): 1
- UTC offset (seconds): 3600
- Allow multiple marker drops: inactive
- Allow multiple goal declarations: active
- Declaration format: 4/4
- Altitude mode: Barometric Feet
- Geodetic system: UTM WGS84

Multiple recording devices may record the flight at the same time. The first started recording will be considered as the primary recording and will be used for scoring.

### **d) Handling by competitor:**

- Throughout the event the competitor is responsible for storing, charging, handling as well as the proper functioning of the devices used (phone, tablet, sensor...).
- The Balloon Live app an external GPS or the internal GPS of the pilot his mobile device must be started 10-5 min before the intended take-off to allow proper GPS initialization. The recording must also be started at the same time by pulling down the red label.
- The competitor is considered entering the competition flight according to the selected TDS with the start of the track recording and the take off.
- During flight the recording device must remain attached to the basket (uprights or basket edge) to ensure optimum GPS reception.
- Declarations must be made in 4/4 format unless otherwise stated in the TDS.
- Altitudes do not need to be declared unless otherwise stated in the TDS. Altitudes must be indicated with the minimum needed digits.
- Goal declarations are registered at the time when the DECLARE button is pushed.
- Electronic marker drops are registered at the time when the DROP button is pushed.
- 5-10 minutes after landing and safe balloon handling the track recording should be stopped by selecting "stop flight" under the actions menu at the top right in the Balloon Live app.

For the transfer of the data, please see under point f) below.

### **e) Scoring:**

- Unless otherwise stated in the TDS, an electronic mark is mandatory for each task

where no valid mark has been achieved by physical marker.

- In case the same logger-goal is declared more than once the last valid declaration will be used.
- If an electronic mark is used more than once, the first mark will be used.

**f) Track data:**

The track data is transferred to the server automatically if a data connection is available during flight or when made available after the flight. To resume the data transfer later after the flight, reopen the app and the transmission will start within a minute. Make sure all track points are sent before closing the app or disconnecting the internet connection of the device.

A red upload icon at the top left indicates that a large number of track points still need to be uploaded. If the icon is yellow, the upload is finalizing.

Once it is green, the entire track has been transferred to the server and the app can be closed.

The track must be transferred to the server latest 6 hours after the flight has been started. For tracks that are transferred later, the competitor will be penalised by 10 competition points per minute (or part) late in the last task.

The track data remains the property of the competitor but may be made available to the public for live tracking. Tracks where competitors have given explicit permission will be published.

The publication will have a minimum of 10 min delay. No publication of a track should be made before the end of the launch period.

Anonymized tracks may be used by CIA for analysis.

**g) Recommendations:**

- Only use recording devices in online mode as the accuracy of the recording is increased and the data transferred immediately.
- Use a powerbank to avoid problems with the battery capacity of your device.

Failure to follow the instructions 'Details for the use of GPS Loggers' may be penalized without warning.

Flight Report Forms must be completed on 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 Event Director and ask for an 'extension of time' : +32 477 16 02 73 (Jonas Maes)

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

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

N/A

**II. 20 ALTITUDE (14.6.4)**

All altitudes in this event are described in feet AMSL.

The logger's measured Barometric altitude will be used for scoring.

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

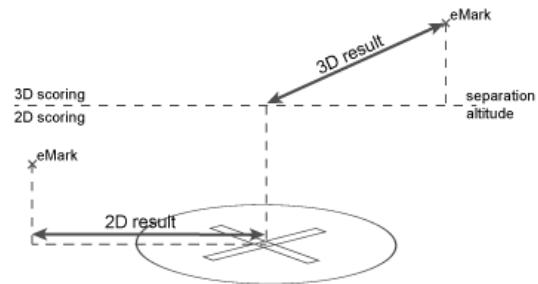
The separation altitude between 2D and 3D scoring in this event is 700ft MSL.

*When goals or targets on the ground are used, results based on electronic marks will be the:*

*- 3D-distance to the point at the separation altitude above the goal/target if the electronic mark is above the separation altitude*

*or*

*- 2D-distance to the goal/target if the electronic mark is at or below the separation altitude.*



*When goals/targets above the ground are used, results based on electronic marks will be the 3D-distance.*

## 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:

31K (Zone reference, where 31=zone and K=latitude band)

229290 (6 digit Easting)

7421700 (7 digit 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. 458565-5552261 alternatively 0458565-5552261)
- 4-4 format: this format uses two times four-digits. First four digits easting and the second four digits northing. (e.g. 5857-5226), leaving out the 1m digit.

Coordinates may be written in one of the following formats:

- For declarations in Logger see II.18 otherwise in 4/4

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

## II. 24 AXMER VERSION

AXMER 2025